

**Fig.1A** 1/36

MELT - INDEX	DENSITY					
	945	946	947	948	949	950
11.0	RTSE T° 4.4 98.7	RTSE T° 4.4 99.5	RTSE T° 4.4 100.3	RTSE T° 4.4 101.1	RTSE T° 4.4 101.8	RTSE T° 4.4 102.5
	RTSE T° 4.2 104.3	RTSE T° 4.2 105.1	RTSE T° 4.2 105.9	RTSE T° 4.2 106.7	RTSE T° 4.2 107.4	RTSE T° 4.2 108.2
12.0	RTSE T° 4.4 98.1	RTSE T° 4.4 98.9	RTSE T° 4.4 99.7	RTSE T° 4.4 100.4	RTSE T° 4.4 101.2	RTSE T° 4.4 101.9
	RTSE T° 4.2 103.7	RTSE T° 4.2 104.5	RTSE T° 4.2 105.3	RTSE T° 4.2 106.1	RTSE T° 4.2 106.8	RTSE T° 4.2 107.5
13.0	RTSE T° 4.4 97.5	RTSE T° 4.4 98.3	RTSE T° 4.4 99.1	RTSE T° 4.4 99.9	RTSE T° 4.4 100.6	RTSE T° 4.4 101.3
	RTSE T° 4.2 103.1	RTSE T° 4.2 103.9	RTSE T° 4.2 104.7	RTSE T° 4.2 105.5	RTSE T° 4.2 106.2	RTSE T° 4.2 106.9
14.0	RTSE T° 4.4 96.9	RTSE T° 4.4 97.8	RTSE T° 4.4 98.5	RTSE T° 4.4 99.3	RTSE T° 4.4 100.1	RTSE T° 4.4 100.8
	RTSE T° 4.2 102.6	RTSE T° 4.2 103.4	RTSE T° 4.2 104.2	RTSE T° 4.2 104.9	RTSE T° 4.2 105.7	RTSE T° 4.2 106.4
16.0	RTSE T° 4.4 96.0	RTSE T° 4.4 96.8	RTSE T° 4.4 97.6	RTSE T° 4.4 98.4	RTSE T° 4.4 99.1	RTSE T° 4.4 99.8
	RTSE T° 4.2 101.6	RTSE T° 4.2 102.4	RTSE T° 4.2 103.2	RTSE T° 4.2 104.0	RTSE T° 4.2 104.7	RTSE T° 4.2 105.5
18.0	RTSE T° 4.4 95.2	RTSE T° 4.4 96.0	RTSE T° 4.4 96.8	RTSE T° 4.4 97.6	RTSE T° 4.4 98.3	RTSE T° 4.4 99.0
	RTSE T° 4.2 100.8	RTSE T° 4.2 101.6	RTSE T° 4.2 102.4	RTSE T° 4.2 103.2	RTSE T° 4.2 103.9	RTSE T° 4.2 104.6
20.0	RTSE T° 4.4 94.5	RTSE T° 4.4 95.3	RTSE T° 4.4 96.1	RTSE T° 4.4 96.8	RTSE T° 4.4 97.6	RTSE T° 4.4 98.3
	RTSE T° 4.2 100.1	RTSE T° 4.2 100.9	RTSE T° 4.2 101.7	RTSE T° 4.2 102.5	RTSE T° 4.2 103.2	RTSE T° 4.2 103.9
22.0	RTSE T° 4.4 93.8	RTSE T° 4.4 94.7	RTSE T° 4.4 95.4	RTSE T° 4.4 96.2	RTSE T° 4.4 97.0	RTSE T° 4.4 97.7
	RTSE T° 4.2 99.5	RTSE T° 4.2 100.3	RTSE T° 4.2 101.1	RTSE T° 4.2 101.8	RTSE T° 4.2 102.6	RTSE T° 4.2 103.3
24.0	RTSE T° 4.4 93.3	RTSE T° 4.4 94.1	RTSE T° 4.4 94.9	RTSE T° 4.4 95.7	RTSE T° 4.4 96.4	RTSE T° 4.4 97.1
	RTSE T° 4.2 98.9	RTSE T° 4.2 99.7	RTSE T° 4.2 100.5	RTSE T° 4.2 101.3	RTSE T° 4.2 102.0	RTSE T° 4.2 102.8
27.0	RTSE T° 4.4 92.6	RTSE T° 4.4 93.4	RTSE T° 4.4 94.2	RTSE T° 4.4 95.0	RTSE T° 4.4 95.7	RTSE T° 4.4 96.4
	RTSE T° 4.2 98.2	RTSE T° 4.2 99.0	RTSE T° 4.2 99.8	RTSE T° 4.2 100.6	RTSE T° 4.2 101.3	RTSE T° 4.2 102.1
30.0	RTSE T° 4.4 92.0	RTSE T° 4.4 92.6	RTSE T° 4.4 93.6	RTSE T° 4.4 94.4	RTSE T° 4.4 95.1	RTSE T° 4.4 95.9
	RTSE T° 4.2 97.6	RTSE T° 4.2 98.4	RTSE T° 4.2 99.2	RTSE T° 4.2 100.0	RTSE T° 4.2 100.7	RTSE T° 4.2 101.5

**Fig.1B** 2/36

MELT - INDEX	DENSITY					
	951	952	953	954	955	956
11.0	RTSE T° 4.4 103.3	RTSE T° 4.4 103.9	RTSE T° 4.4 104.6	RTSE T° 4.4 105.2	RTSE T° 4.4 105.9	RTSE T° 4.4 106.5
	RTSE T° 4.2 108.9	RTSE T° 4.2 109.6	RTSE T° 4.2 110.2	RTSE T° 4.2 110.9	RTSE T° 4.2 111.5	RTSE T° 4.2 112.1
12.0	RTSE T° 4.4 102.6	RTSE T° 4.4 103.3	RTSE T° 4.4 104.0	RTSE T° 4.4 104.6	RTSE T° 4.4 105.2	RTSE T° 4.4 105.8
	RTSE T° 4.2 108.2	RTSE T° 4.2 108.9	RTSE T° 4.2 109.6	RTSE T° 4.2 110.2	RTSE T° 4.2 110.9	RTSE T° 4.2 111.5
13.0	RTSE T° 4.4 102.0	RTSE T° 4.4 102.7	RTSE T° 4.4 103.4	RTSE T° 4.4 104.0	RTSE T° 4.4 104.7	RTSE T° 4.4 105.3
	RTSE T° 4.2 107.7	RTSE T° 4.2 108.3	RTSE T° 4.2 109.0	RTSE T° 4.2 109.7	RTSE T° 4.2 110.3	RTSE T° 4.2 110.9
14.0	RTSE T° 4.4 101.5	RTSE T° 4.4 102.2	RTSE T° 4.4 102.9	RTSE T° 4.4 103.5	RTSE T° 4.4 104.1	RTSE T° 4.4 104.7
	RTSE T° 4.2 107.1	RTSE T° 4.2 107.8	RTSE T° 4.2 108.5	RTSE T° 4.2 109.1	RTSE T° 4.2 109.7	RTSE T° 4.2 110.3
16.0	RTSE T° 4.4 100.6	RTSE T° 4.4 101.2	RTSE T° 4.4 101.9	RTSE T° 4.4 102.6	RTSE T° 4.4 103.2	RTSE T° 4.4 103.8
	RTSE T° 4.2 106.2	RTSE T° 4.2 106.9	RTSE T° 4.2 107.5	RTSE T° 4.2 108.2	RTSE T° 4.2 108.8	RTSE T° 4.2 109.4
18.0	RTSE T° 4.4 99.7	RTSE T° 4.4 100.4	RTSE T° 4.4 101.1	RTSE T° 4.4 101.7	RTSE T° 4.4 102.4	RTSE T° 4.4 103.0
	RTSE T° 4.2 105.4	RTSE T° 4.2 106.0	RTSE T° 4.2 106.7	RTSE T° 4.2 107.4	RTSE T° 4.2 108.0	RTSE T° 4.2 108.6
20.0	RTSE T° 4.4 99.0	RTSE T° 4.4 99.7	RTSE T° 4.4 100.4	RTSE T° 4.4 101.0	RTSE T° 4.4 101.6	RTSE T° 4.4 102.3
	RTSE T° 4.2 104.6	RTSE T° 4.2 105.3	RTSE T° 4.2 106.0	RTSE T° 4.2 106.6	RTSE T° 4.2 107.3	RTSE T° 4.2 107.9
22.0	RTSE T° 4.4 98.4	RTSE T° 4.4 99.1	RTSE T° 4.4 99.8	RTSE T° 4.4 100.4	RTSE T° 4.4 101.0	RTSE T° 4.4 101.6
	RTSE T° 4.2 104.0	RTSE T° 4.2 104.7	RTSE T° 4.2 105.4	RTSE T° 4.2 106.0	RTSE T° 4.2 106.6	RTSE T° 4.2 107.2
24.0	RTSE T° 4.4 97.9	RTSE T° 4.4 98.5	RTSE T° 4.4 99.2	RTSE T° 4.4 99.9	RTSE T° 4.4 100.5	RTSE T° 4.4 101.1
	RTSE T° 4.2 103.5	RTSE T° 4.2 104.2	RTSE T° 4.2 104.8	RTSE T° 4.2 105.5	RTSE T° 4.2 106.1	RTSE T° 4.2 106.7
27.0	RTSE T° 4.4 97.1	RTSE T° 4.4 97.8	RTSE T° 4.4 98.5	RTSE T° 4.4 99.1	RTSE T° 4.4 99.8	RTSE T° 4.4 100.4
	RTSE T° 4.2 102.8	RTSE T° 4.2 103.5	RTSE T° 4.2 104.1	RTSE T° 4.2 104.8	RTSE T° 4.2 105.4	RTSE T° 4.2 106.0
30.0	RTSE T° 4.4 96.6	RTSE T° 4.4 97.2	RTSE T° 4.4 97.9	RTSE T° 4.4 98.6	RTSE T° 4.4 99.2	RTSE T° 4.4 99.8
	RTSE T° 4.2 102.2	RTSE T° 4.2 102.9	RTSE T° 4.2 103.5	RTSE T° 4.2 104.2	RTSE T° 4.2 104.8	RTSE T° 4.2 105.4

Fig.1C 3/36

MELT - INDEX	DENSITY			
	957	958	959	960
11.0	RTSE T° 4.4 107.1	RTSE T° 4.4 107.6	RTSE T° 4.4 108.2	RTSE T° 4.4 108.7
	RTSE T° 4.2 112.7	RTSE T° 4.2 113.3	RTSE T° 4.2 113.8	RTSE T° 4.2 114.3
12.0	RTSE T° 4.4 106.4	RTSE T° 4.4 107.0	RTSE T° 4.4 107.5	RTSE T° 4.4 108.1
	RTSE T° 4.2 112.1	RTSE T° 4.2 112.6	RTSE T° 4.2 113.2	RTSE T° 4.2 113.7
13.0	RTSE T° 4.4 105.9	RTSE T° 4.4 106.4	RTSE T° 4.4 107.0	RTSE T° 4.4 107.5
	RTSE T° 4.2 111.6	RTSE T° 4.2 112.0	RTSE T° 4.2 112.6	RTSE T° 4.2 113.1
14.0	RTSE T° 4.4 105.3	RTSE T° 4.4 105.9	RTSE T° 4.4 106.4	RTSE T° 4.4 107.0
	RTSE T° 4.2 110.9	RTSE T° 4.2 111.5	RTSE T° 4.2 112.1	RTSE T° 4.2 112.6
16.0	RTSE T° 4.4 104.4	RTSE T° 4.4 104.9	RTSE T° 4.4 105.5	RTSE T° 4.4 106.0
	RTSE T° 4.2 110.0	RTSE T° 4.2 110.6	RTSE T° 4.2 111.1	RTSE T° 4.2 111.6
18.0	RTSE T° 4.4 103.6	RTSE T° 4.4 104.1	RTSE T° 4.4 104.7	RTSE T° 4.4 105.2
	RTSE T° 4.2 109.2	RTSE T° 4.2 109.7	RTSE T° 4.2 110.3	RTSE T° 4.2 110.8
20.0	RTSE T° 4.4 102.8	RTSE T° 4.4 103.4	RTSE T° 4.4 104.0	RTSE T° 4.4 104.5
	RTSE T° 4.2 108.5	RTSE T° 4.2 109.0	RTSE T° 4.2 109.6	RTSE T° 4.2 110.1
22.0	RTSE T° 4.4 102.2	RTSE T° 4.4 102.8	RTSE T° 4.4 103.3	RTSE T° 4.4 103.9
	RTSE T° 4.2 107.8	RTSE T° 4.2 108.4	RTSE T° 4.2 109.0	RTSE T° 4.2 109.5
24.0	RTSE T° 4.4 101.7	RTSE T° 4.4 102.2	RTSE T° 4.4 102.8	RTSE T° 4.4 103.3
	RTSE T° 4.2 107.3	RTSE T° 4.2 107.9	RTSE T° 4.2 108.4	RTSE T° 4.2 108.9
27.0	RTSE T° 4.4 101.0	RTSE T° 4.4 101.5	RTSE T° 4.4 102.1	RTSE T° 4.4 102.6
	RTSE T° 4.2 106.6	RTSE T° 4.2 107.2	RTSE T° 4.2 107.7	RTSE T° 4.2 108.2
30.0	RTSE T° 4.4 100.4	RTSE T° 4.4 100.9	RTSE T° 4.4 101.5	RTSE T° 4.4 102.0
	RTSE T° 4.2 106.0	RTSE T° 4.2 106.6	RTSE T° 4.2 107.1	RTSE T° 4.2 107.6

**Fig.2A** 4/36

MELT - INDEX	DENSITY					
	945	946	947	948	949	950
3.9	RTSE T° 4.4 106.0	RTSE T° 4.4 106.8	RTSE T° 4.4 107.6	RTSE T° 4.4 108.4	RTSE T° 4.4 109.2	RTSE T° 4.4 109.9
	RTSE T° 4.2 111.7	RTSE T° 4.2 112.5	RTSE T° 4.2 113.3	RTSE T° 4.2 114.0	RTSE T° 4.2 114.8	RTSE T° 4.2 115.5
4.3	RTSE T° 4.4 105.4	RTSE T° 4.4 106.2	RTSE T° 4.4 107.0	RTSE T° 4.4 107.8	RTSE T° 4.4 108.5	RTSE T° 4.4 109.2
	RTSE T° 4.2 111.0	RTSE T° 4.2 111.8	RTSE T° 4.2 112.6	RTSE T° 4.2 113.4	RTSE T° 4.2 114.1	RTSE T° 4.2 114.9
4.8	RTSE T° 4.4 104.6	RTSE T° 4.4 105.5	RTSE T° 4.4 106.2	RTSE T° 4.4 107.0	RTSE T° 4.4 107.8	RTSE T° 4.4 108.5
	RTSE T° 4.2 110.3	RTSE T° 4.2 111.1	RTSE T° 4.2 111.9	RTSE T° 4.2 112.6	RTSE T° 4.2 113.4	RTSE T° 4.2 114.1
5.3	RTSE T° 4.4 104.0	RTSE T° 4.4 104.8	RTSE T° 4.4 105.6	RTSE T° 4.4 106.3	RTSE T° 4.4 107.1	RTSE T° 4.4 107.8
	RTSE T° 4.2 109.6	RTSE T° 4.2 110.4	RTSE T° 4.2 111.2	RTSE T° 4.2 112.0	RTSE T° 4.2 112.7	RTSE T° 4.2 113.4
5.9	RTSE T° 4.4 103.2	RTSE T° 4.4 104.0	RTSE T° 4.4 104.8	RTSE T° 4.4 105.6	RTSE T° 4.4 106.3	RTSE T° 4.4 107.1
	RTSE T° 4.2 108.8	RTSE T° 4.2 109.6	RTSE T° 4.2 110.4	RTSE T° 4.2 111.2	RTSE T° 4.2 111.9	RTSE T° 4.2 112.7
6.5	RTSE T° 4.4 102.5	RTSE T° 4.4 103.3	RTSE T° 4.4 104.1	RTSE T° 4.4 104.9	RTSE T° 4.4 105.6	RTSE T° 4.4 106.4
	RTSE T° 4.2 108.1	RTSE T° 4.2 108.9	RTSE T° 4.2 109.7	RTSE T° 4.2 110.5	RTSE T° 4.2 111.3	RTSE T° 4.2 112.0
7.2	RTSE T° 4.4 101.8	RTSE T° 4.4 102.6	RTSE T° 4.4 103.4	RTSE T° 4.4 104.2	RTSE T° 4.4 104.9	RTSE T° 4.4 105.6
	RTSE T° 4.2 107.4	RTSE T° 4.2 108.2	RTSE T° 4.2 109.0	RTSE T° 4.2 109.8	RTSE T° 4.2 110.5	RTSE T° 4.2 111.3
8.0	RTSE T° 4.4 101.0	RTSE T° 4.4 101.8	RTSE T° 4.4 102.6	RTSE T° 4.4 103.4	RTSE T° 4.4 104.1	RTSE T° 4.4 104.9
	RTSE T° 4.2 106.6	RTSE T° 4.2 107.4	RTSE T° 4.2 108.2	RTSE T° 4.2 109.0	RTSE T° 4.2 109.8	RTSE T° 4.2 110.5
8.9	RTSE T° 4.4 100.2	RTSE T° 4.4 101.1	RTSE T° 4.4 101.8	RTSE T° 4.4 102.6	RTSE T° 4.4 103.4	RTSE T° 4.4 104.1
	RTSE T° 4.2 105.9	RTSE T° 4.2 106.7	RTSE T° 4.2 107.5	RTSE T° 4.2 108.2	RTSE T° 4.2 109.0	RTSE T° 4.2 109.7
9.9	RTSE T° 4.4 99.5	RTSE T° 4.4 100.3	RTSE T° 4.4 101.1	RTSE T° 4.4 101.8	RTSE T° 4.4 102.6	RTSE T° 4.4 103.3
	RTSE T° 4.2 105.1	RTSE T° 4.2 105.9	RTSE T° 4.2 106.7	RTSE T° 4.2 107.5	RTSE T° 4.2 108.2	RTSE T° 4.2 108.9
11.0	RTSE T° 4.4 98.7	RTSE T° 4.4 99.5	RTSE T° 4.4 100.3	RTSE T° 4.4 101.1	RTSE T° 4.4 101.8	RTSE T° 4.4 102.5
	RTSE T° 4.2 104.3	RTSE T° 4.2 105.1	RTSE T° 4.2 105.9	RTSE T° 4.2 106.7	RTSE T° 4.2 107.4	RTSE T° 4.2 108.2

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**Fig.2B**

MELT - INDEX	DENSITY					
	951	952	953	954	955	956
3.9	RTSE T° 4.4 110.6	RTSE T° 4.4 111.3	RTSE T° 4.4 112.0	RTSE T° 4.4 112.6	RTSE T° 4.4 113.2	RTSE T° 4.4 113.8
	RTSE T° 4.2 116.2	RTSE T° 4.2 116.9	RTSE T° 4.2 117.6	RTSE T° 4.2 118.2	RTSE T° 4.2 118.8	RTSE T° 4.2 119.4
4.3	RTSE T° 4.4 109.9	RTSE T° 4.4 110.6	RTSE T° 4.4 111.3	RTSE T° 4.4 111.9	RTSE T° 4.4 112.6	RTSE T° 4.4 113.2
	RTSE T° 4.2 115.6	RTSE T° 4.2 116.3	RTSE T° 4.2 116.9	RTSE T° 4.2 117.6	RTSE T° 4.2 118.2	RTSE T° 4.2 118.8
4.8	RTSE T° 4.4 109.2	RTSE T° 4.4 109.9	RTSE T° 4.4 110.6	RTSE T° 4.4 111.2	RTSE T° 4.4 111.8	RTSE T° 4.4 112.4
	RTSE T° 4.2 114.8	RTSE T° 4.2 115.5	RTSE T° 4.2 116.2	RTSE T° 4.2 116.8	RTSE T° 4.2 117.4	RTSE T° 4.2 118.0
5.3	RTSE T° 4.4 108.5	RTSE T° 4.4 109.2	RTSE T° 4.4 109.9	RTSE T° 4.4 110.5	RTSE T° 4.4 111.1	RTSE T° 4.4 111.7
	RTSE T° 4.2 114.1	RTSE T° 4.2 114.8	RTSE T° 4.2 115.5	RTSE T° 4.2 116.1	RTSE T° 4.2 116.8	RTSE T° 4.2 117.4
5.9	RTSE T° 4.4 107.8	RTSE T° 4.4 108.5	RTSE T° 4.4 109.1	RTSE T° 4.4 109.8	RTSE T° 4.4 110.4	RTSE T° 4.4 111.0
	RTSE T° 4.2 113.4	RTSE T° 4.2 114.1	RTSE T° 4.2 114.7	RTSE T° 4.2 115.4	RTSE T° 4.2 116.0	RTSE T° 4.2 116.6
6.5	RTSE T° 4.4 107.1	RTSE T° 4.4 107.8	RTSE T° 4.4 108.4	RTSE T° 4.4 109.1	RTSE T° 4.4 109.7	RTSE T° 4.4 110.3
	RTSE T° 4.2 112.7	RTSE T° 4.2 113.4	RTSE T° 4.2 114.0	RTSE T° 4.2 114.7	RTSE T° 4.2 115.3	RTSE T° 4.2 115.9
7.2	RTSE T° 4.4 106.3	RTSE T° 4.4 107.0	RTSE T° 4.4 107.7	RTSE T° 4.4 108.3	RTSE T° 4.4 109.0	RTSE T° 4.4 109.6
	RTSE T° 4.2 112.0	RTSE T° 4.2 112.6	RTSE T° 4.2 113.3	RTSE T° 4.2 114.0	RTSE T° 4.2 114.6	RTSE T° 4.2 115.2
8.0	RTSE T° 4.4 105.6	RTSE T° 4.4 106.3	RTSE T° 4.4 106.9	RTSE T° 4.4 107.6	RTSE T° 4.4 108.2	RTSE T° 4.4 108.8
	RTSE T° 4.2 111.2	RTSE T° 4.2 111.9	RTSE T° 4.2 112.5	RTSE T° 4.2 113.2	RTSE T° 4.2 113.8	RTSE T° 4.2 114.4
8.9	RTSE T° 4.4 104.8	RTSE T° 4.4 105.5	RTSE T° 4.4 106.2	RTSE T° 4.4 106.8	RTSE T° 4.4 107.4	RTSE T° 4.4 108.0
	RTSE T° 4.2 110.4	RTSE T° 4.2 111.1	RTSE T° 4.2 111.8	RTSE T° 4.2 112.4	RTSE T° 4.2 113.0	RTSE T° 4.2 113.6
9.9	RTSE T° 4.4 104.0	RTSE T° 4.4 104.7	RTSE T° 4.4 105.4	RTSE T° 4.4 106.0	RTSE T° 4.4 106.6	RTSE T° 4.4 107.3
	RTSE T° 4.2 109.6	RTSE T° 4.2 110.3	RTSE T° 4.2 111.0	RTSE T° 4.2 111.6	RTSE T° 4.2 112.3	RTSE T° 4.2 112.9
11.0	RTSE T° 4.4 103.3	RTSE T° 4.4 103.9	RTSE T° 4.4 104.6	RTSE T° 4.4 105.2	RTSE T° 4.4 105.9	RTSE T° 4.4 106.5
	RTSE T° 4.2 108.9	RTSE T° 4.2 109.6	RTSE T° 4.2 110.2	RTSE T° 4.2 110.9	RTSE T° 4.2 111.5	RTSE T° 4.2 112.1

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**Fig.2C**

MELT - INDEX	DENSITY			
	957	958	959	960
3.9	RTSE T° 4.4 114.4	RTSE T° 4.4 115.0	RTSE T° 4.4 115.5	RTSE T° 4.4 116.1
	RTSE T° 4.2 120.0	RTSE T° 4.2 120.6	RTSE T° 4.2 121.1	RTSE T° 4.2 121.7
4.3	RTSE T° 4.4 113.8	RTSE T° 4.4 114.3	RTSE T° 4.4 114.9	RTSE T° 4.4 115.4
	RTSE T° 4.2 119.4	RTSE T° 4.2 120.0	RTSE T° 4.2 120.5	RTSE T° 4.2 121.0
4.8	RTSE T° 4.4 113.0	RTSE T° 4.4 113.6	RTSE T° 4.4 114.1	RTSE T° 4.4 114.7
	RTSE T° 4.2 118.6	RTSE T° 4.2 119.2	RTSE T° 4.2 119.8	RTSE T° 4.2 120.3
5.3	RTSE T° 4.4 112.3	RTSE T° 4.4 112.9	RTSE T° 4.4 113.4	RTSE T° 4.4 114.0
	RTSE T° 4.2 118.0	RTSE T° 4.2 118.5	RTSE T° 4.2 119.1	RTSE T° 4.2 119.6
5.9	RTSE T° 4.4 111.6	RTSE T° 4.4 112.1	RTSE T° 4.4 112.7	RTSE T° 4.4 113.2
	RTSE T° 4.2 117.2	RTSE T° 4.2 117.8	RTSE T° 4.2 118.3	RTSE T° 4.2 118.8
6.5	RTSE T° 4.4 110.9	RTSE T° 4.4 111.5	RTSE T° 4.4 112.0	RTSE T° 4.4 112.5
	RTSE T° 4.2 116.5	RTSE T° 4.2 117.1	RTSE T° 4.2 117.6	RTSE T° 4.2 118.2
7.2	RTSE T° 4.4 110.2	RTSE T° 4.4 110.7	RTSE T° 4.4 111.3	RTSE T° 4.4 111.8
	RTSE T° 4.2 115.8	RTSE T° 4.2 116.3	RTSE T° 4.2 116.9	RTSE T° 4.2 117.4
8.0	RTSE T° 4.4 109.4	RTSE T° 4.4 110.0	RTSE T° 4.4 110.5	RTSE T° 4.4 111.0
	RTSE T° 4.2 115.0	RTSE T° 4.2 115.6	RTSE T° 4.2 116.1	RTSE T° 4.2 116.7
8.9	RTSE T° 4.4 108.6	RTSE T° 4.4 109.2	RTSE T° 4.4 109.7	RTSE T° 4.4 110.3
	RTSE T° 4.2 114.2	RTSE T° 4.2 114.8	RTSE T° 4.2 115.3	RTSE T° 4.2 115.9
9.9	RTSE T° 4.4 107.8	RTSE T° 4.4 108.4	RTSE T° 4.4 109.0	RTSE T° 4.4 109.5
	RTSE T° 4.2 113.5	RTSE T° 4.2 114.0	RTSE T° 4.2 114.6	RTSE T° 4.2 115.1
11.0	RTSE T° 4.4 107.1	RTSE T° 4.4 107.6	RTSE T° 4.4 108.2	RTSE T° 4.4 108.7
	RTSE T° 4.2 112.7	RTSE T° 4.2 113.3	RTSE T° 4.2 113.8	RTSE T° 4.2 114.3

# Fig.3A

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MELT - INDEX	DENSITY					
	945	946	947	948	949	950
1.4	RTSE T° 4.4 111.9	RTSE T° 4.4 112.7	RTSE T° 4.4 113.5	RTSE T° 4.4 114.3	RTSE T° 4.4 115.0	RTSE T° 4.4 115.7
	RTSE T° 4.2 117.5	RTSE T° 4.2 118.3	RTSE T° 4.2 119.1	RTSE T° 4.2 119.9	RTSE T° 4.2 120.6	RTSE T° 4.2 121.4
1.5	RTSE T° 4.4 111.6	RTSE T° 4.4 112.4	RTSE T° 4.4 113.2	RTSE T° 4.4 113.9	RTSE T° 4.4 114.7	RTSE T° 4.4 115.4
	RTSE T° 4.2 117.2	RTSE T° 4.2 118.0	RTSE T° 4.2 118.8	RTSE T° 4.2 119.6	RTSE T° 4.2 120.3	RTSE T° 4.2 121.0
1.7	RTSE T° 4.4 110.9	RTSE T° 4.4 111.7	RTSE T° 4.4 112.5	RTSE T° 4.4 113.3	RTSE T° 4.4 114.1	RTSE T° 4.4 114.8
	RTSE T° 4.2 116.6	RTSE T° 4.2 117.4	RTSE T° 4.2 118.2	RTSE T° 4.2 118.9	RTSE T° 4.2 119.7	RTSE T° 4.2 120.4
1.9	RTSE T° 4.4 110.4	RTSE T° 4.4 111.2	RTSE T° 4.4 112.0	RTSE T° 4.4 112.7	RTSE T° 4.4 113.5	RTSE T° 4.4 114.2
	RTSE T° 4.2 116.0	RTSE T° 4.2 116.8	RTSE T° 4.2 117.6	RTSE T° 4.2 118.3	RTSE T° 4.2 119.1	RTSE T° 4.2 119.8
2.1	RTSE T° 4.4 109.8	RTSE T° 4.4 110.6	RTSE T° 4.4 111.4	RTSE T° 4.4 112.2	RTSE T° 4.4 112.9	RTSE T° 4.4 113.7
	RTSE T° 4.2 115.4	RTSE T° 4.2 116.2	RTSE T° 4.2 117.0	RTSE T° 4.2 117.8	RTSE T° 4.2 118.6	RTSE T° 4.2 119.3
2.3	RTSE T° 4.4 109.3	RTSE T° 4.4 110.1	RTSE T° 4.4 110.9	RTSE T° 4.4 111.7	RTSE T° 4.4 112.4	RTSE T° 4.4 113.2
	RTSE T° 4.2 114.9	RTSE T° 4.2 115.7	RTSE T° 4.2 116.5	RTSE T° 4.2 117.3	RTSE T° 4.2 118.0	RTSE T° 4.2 118.8
2.6	RTSE T° 4.4 108.6	RTSE T° 4.4 109.4	RTSE T° 4.4 110.2	RTSE T° 4.4 111.0	RTSE T° 4.4 111.7	RTSE T° 4.4 112.4
	RTSE T° 4.2 114.2	RTSE T° 4.2 115.0	RTSE T° 4.2 115.8	RTSE T° 4.2 116.6	RTSE T° 4.2 117.3	RTSE T° 4.2 118.1
2.9	RTSE T° 4.4 107.9	RTSE T° 4.4 108.7	RTSE T° 4.4 109.5	RTSE T° 4.4 110.3	RTSE T° 4.4 111.0	RTSE T° 4.4 111.8
	RTSE T° 4.2 113.5	RTSE T° 4.2 114.4	RTSE T° 4.2 115.1	RTSE T° 4.2 115.9	RTSE T° 4.2 116.7	RTSE T° 4.2 117.4
3.2	RTSE T° 4.4 107.3	RTSE T° 4.4 108.1	RTSE T° 4.4 108.9	RTSE T° 4.4 109.7	RTSE T° 4.4 110.4	RTSE T° 4.4 111.2
	RTSE T° 4.2 112.9	RTSE T° 4.2 113.7	RTSE T° 4.2 114.5	RTSE T° 4.2 115.3	RTSE T° 4.2 116.1	RTSE T° 4.2 116.8
3.6	RTSE T° 4.4 106.6	RTSE T° 4.4 107.4	RTSE T° 4.4 108.2	RTSE T° 4.4 108.9	RTSE T° 4.4 109.7	RTSE T° 4.4 110.4
	RTSE T° 4.2 112.2	RTSE T° 4.2 113.0	RTSE T° 4.2 113.8	RTSE T° 4.2 114.6	RTSE T° 4.2 115.3	RTSE T° 4.2 116.7
4.0	RTSE T° 4.4 105.9	RTSE T° 4.4 106.7	RTSE T° 4.4 107.5	RTSE T° 4.4 108.2	RTSE T° 4.4 109.0	RTSE T° 4.4 109.7
	RTSE T° 4.2 111.5	RTSE T° 4.2 112.3	RTSE T° 4.2 113.1	RTSE T° 4.2 113.9	RTSE T° 4.2 114.6	RTSE T° 4.2 115.3

**Fig.3B** 8/36

MELT - INDEX	DENSITY					
	951	952	953	954	955	956
1.4	RTSE T° 4.4 116.5	RTSE T° 4.4 117.1	RTSE T° 4.4 117.8	RTSE T° 4.4 118.5	RTSE T° 4.4 119.1	RTSE T° 4.4 119.7
	RTSE T° 4.2 122.1	RTSE T° 4.2 122.8	RTSE T° 4.2 123.4	RTSE T° 4.2 124.1	RTSE T° 4.2 124.7	RTSE T° 4.2 125.3
1.5	RTSE T° 4.4 116.1	RTSE T° 4.4 116.8	RTSE T° 4.4 117.5	RTSE T° 4.4 118.1	RTSE T° 4.4 118.7	RTSE T° 4.4 119.4
	RTSE T° 4.2 121.7	RTSE T° 4.2 122.4	RTSE T° 4.2 123.1	RTSE T° 4.2 123.7	RTSE T° 4.2 124.4	RTSE T° 4.2 125.0
1.7	RTSE T° 4.4 115.5	RTSE T° 4.4 116.2	RTSE T° 4.4 116.9	RTSE T° 4.4 117.5	RTSE T° 4.4 118.1	RTSE T° 4.4 118.7
	RTSE T° 4.2 121.1	RTSE T° 4.2 121.8	RTSE T° 4.2 122.5	RTSE T° 4.2 123.1	RTSE T° 4.2 123.7	RTSE T° 4.2 124.3
1.9	RTSE T° 4.4 114.9	RTSE T° 4.4 115.6	RTSE T° 4.4 116.3	RTSE T° 4.4 116.9	RTSE T° 4.4 117.5	RTSE T° 4.4 118.1
	RTSE T° 4.2 120.5	RTSE T° 4.2 121.2	RTSE T° 4.2 121.9	RTSE T° 4.2 122.5	RTSE T° 4.2 123.2	RTSE T° 4.2 123.8
2.1	RTSE T° 4.4 114.4	RTSE T° 4.4 115.1	RTSE T° 4.4 115.7	RTSE T° 4.4 116.4	RTSE T° 4.4 117.0	RTSE T° 4.4 117.6
	RTSE T° 4.2 120.0	RTSE T° 4.2 120.7	RTSE T° 4.2 121.3	RTSE T° 4.2 122.0	RTSE T° 4.2 122.6	RTSE T° 4.2 123.2
2.3	RTSE T° 4.4 113.9	RTSE T° 4.4 114.5	RTSE T° 4.4 115.2	RTSE T° 4.4 115.9	RTSE T° 4.4 116.5	RTSE T° 4.4 117.1
	RTSE T° 4.2 119.5	RTSE T° 4.2 120.2	RTSE T° 4.2 120.8	RTSE T° 4.2 121.5	RTSE T° 4.2 122.1	RTSE T° 4.2 122.7
2.6	RTSE T° 4.4 113.1	RTSE T° 4.4 113.8	RTSE T° 4.4 114.5	RTSE T° 4.4 115.1	RTSE T° 4.4 115.8	RTSE T° 4.4 116.4
	RTSE T° 4.2 118.8	RTSE T° 4.2 119.4	RTSE T° 4.2 120.1	RTSE T° 4.2 120.8	RTSE T° 4.2 121.4	RTSE T° 4.2 122.0
2.9	RTSE T° 4.4 112.5	RTSE T° 4.4 113.2	RTSE T° 4.4 113.8	RTSE T° 4.4 114.5	RTSE T° 4.4 115.1	RTSE T° 4.4 115.7
	RTSE T° 4.2 118.1	RTSE T° 4.2 118.8	RTSE T° 4.2 119.5	RTSE T° 4.2 120.1	RTSE T° 4.2 120.7	RTSE T° 4.2 121.3
3.2	RTSE T° 4.4 111.9	RTSE T° 4.4 112.6	RTSE T° 4.4 113.2	RTSE T° 4.4 113.9	RTSE T° 4.4 114.5	RTSE T° 4.4 115.1
	RTSE T° 4.2 117.5	RTSE T° 4.2 118.2	RTSE T° 4.2 118.8	RTSE T° 4.2 119.5	RTSE T° 4.2 120.1	RTSE T° 4.2 120.7
3.6	RTSE T° 4.4 111.1	RTSE T° 4.4 111.8	RTSE T° 4.4 112.5	RTSE T° 4.4 113.1	RTSE T° 4.4 113.7	RTSE T° 4.4 114.4
	RTSE T° 4.2 116.7	RTSE T° 4.2 117.4	RTSE T° 4.2 118.1	RTSE T° 4.2 118.7	RTSE T° 4.2 119.4	RTSE T° 4.2 120.0
4.0	RTSE T° 4.4 110.4	RTSE T° 4.4 111.1	RTSE T° 4.4 111.8	RTSE T° 4.4 112.4	RTSE T° 4.4 113.1	RTSE T° 4.4 113.7
	RTSE T° 4.2 116.1	RTSE T° 4.2 116.7	RTSE T° 4.2 117.4	RTSE T° 4.2 118.0	RTSE T° 4.2 118.7	RTSE T° 4.2 119.3



**Fig.3C** 9/36

MELT - INDEX	DENSITY			
	957	958	959	960
1.4	RTSE T° 4.4 120.3	RTSE T° 4.4 120.8	RTSE T° 4.4 121.4	RTSE T° 4.4 121.9
	RTSE T° 4.2 125.9	RTSE T° 4.2 126.5	RTSE T° 4.2 127.0	RTSE T° 4.2 127.5
1.5	RTSE T° 4.4 119.9	RTSE T° 4.4 120.5	RTSE T° 4.4 121.1	RTSE T° 4.4 121.6
	RTSE T° 4.2 125.6	RTSE T° 4.2 126.1	RTSE T° 4.2 126.7	RTSE T° 4.2 127.2
1.7	RTSE T° 4.4 119.3	RTSE T° 4.4 119.9	RTSE T° 4.4 120.4	RTSE T° 4.4 121.0
	RTSE T° 4.2 124.9	RTSE T° 4.2 125.5	RTSE T° 4.2 126.0	RTSE T° 4.2 126.6
1.9	RTSE T° 4.4 118.7	RTSE T° 4.4 119.3	RTSE T° 4.4 119.8	RTSE T° 4.4 120.4
	RTSE T° 4.2 124.3	RTSE T° 4.2 124.9	RTSE T° 4.2 125.5	RTSE T° 4.2 126.0
2.1	RTSE T° 4.4 118.2	RTSE T° 4.4 118.8	RTSE T° 4.4 119.3	RTSE T° 4.4 119.8
	RTSE T° 4.2 123.8	RTSE T° 4.2 124.4	RTSE T° 4.2 124.9	RTSE T° 4.2 125.5
2.3	RTSE T° 4.4 117.7	RTSE T° 4.4 118.2	RTSE T° 4.4 118.8	RTSE T° 4.4 119.3
	RTSE T° 4.2 123.3	RTSE T° 4.2 123.9	RTSE T° 4.2 124.4	RTSE T° 4.2 124.9
2.6	RTSE T° 4.4 117.0	RTSE T° 4.4 117.5	RTSE T° 4.4 118.1	RTSE T° 4.4 118.6
	RTSE T° 4.2 122.6	RTSE T° 4.2 123.1	RTSE T° 4.2 123.7	RTSE T° 4.2 124.2
2.9	RTSE T° 4.4 116.3	RTSE T° 4.4 116.9	RTSE T° 4.4 117.4	RTSE T° 4.4 117.9
	RTSE T° 4.2 121.9	RTSE T° 4.2 122.5	RTSE T° 4.2 123.0	RTSE T° 4.2 123.6
3.2	RTSE T° 4.4 115.7	RTSE T° 4.4 116.3	RTSE T° 4.4 116.8	RTSE T° 4.4 117.3
	RTSE T° 4.2 121.3	RTSE T° 4.2 121.9	RTSE T° 4.2 122.4	RTSE T° 4.2 123.0
3.6	RTSE T° 4.4 114.9	RTSE T° 4.4 115.5	RTSE T° 4.4 116.1	RTSE T° 4.4 116.6
	RTSE T° 4.2 120.6	RTSE T° 4.2 121.1	RTSE T° 4.2 121.7	RTSE T° 4.2 122.2
4.0	RTSE T° 4.4 114.2	RTSE T° 4.4 114.8	RTSE T° 4.4 115.4	RTSE T° 4.4 115.9
	RTSE T° 4.2 119.9	RTSE T° 4.2 120.4	RTSE T° 4.2 121.0	RTSE T° 4.2 121.5

**Fig.4A**

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MELT - INDEX	DENSITY					
	945	946	947	948	949	950
0.5	RTSE T° 4.4 115.7	RTSE T° 4.4 116.5	RTSE T° 4.4 117.3	RTSE T° 4.4 118.0	RTSE T° 4.4 118.8	RTSE T° 4.4 119.5
	RTSE T° 4.2 121.3	RTSE T° 4.2 122.1	RTSE T° 4.2 122.9	RTSE T° 4.2 123.7	RTSE T° 4.2 124.4	RTSE T° 4.2 125.1
0.6	RTSE T° 4.4 115.1	RTSE T° 4.4 116.0	RTSE T° 4.4 116.7	RTSE T° 4.4 117.5	RTSE T° 4.4 118.3	RTSE T° 4.4 119.0
	RTSE T° 4.2 120.8	RTSE T° 4.2 121.6	RTSE T° 4.2 122.4	RTSE T° 4.2 123.1	RTSE T° 4.2 123.9	RTSE T° 4.2 124.6
0.7	RTSE T° 4.4 114.7	RTSE T° 4.4 115.5	RTSE T° 4.4 116.3	RTSE T° 4.4 117.0	RTSE T° 4.4 117.8	RTSE T° 4.4 118.5
	RTSE T° 4.2 120.3	RTSE T° 4.2 121.1	RTSE T° 4.2 121.9	RTSE T° 4.2 122.7	RTSE T° 4.2 123.4	RTSE T° 4.2 124.1
0.8	RTSE T° 4.4 114.2	RTSE T° 4.4 115.0	RTSE T° 4.4 115.8	RTSE T° 4.4 116.6	RTSE T° 4.4 117.3	RTSE T° 4.4 118.1
	RTSE T° 4.2 119.8	RTSE T° 4.2 120.6	RTSE T° 4.2 121.4	RTSE T° 4.2 122.2	RTSE T° 4.2 123.0	RTSE T° 4.2 123.7
0.9	RTSE T° 4.4 113.8	RTSE T° 4.4 114.6	RTSE T° 4.4 115.4	RTSE T° 4.4 116.2	RTSE T° 4.4 116.9	RTSE T° 4.4 117.6
	RTSE T° 4.2 119.4	RTSE T° 4.2 120.2	RTSE T° 4.2 121.0	RTSE T° 4.2 121.8	RTSE T° 4.2 122.5	RTSE T° 4.2 123.2
1.0	RTSE T° 4.4 113.4	RTSE T° 4.4 114.2	RTSE T° 4.4 115.0	RTSE T° 4.4 115.7	RTSE T° 4.4 116.5	RTSE T° 4.4 117.2
	RTSE T° 4.2 119.0	RTSE T° 4.2 119.8	RTSE T° 4.2 120.6	RTSE T° 4.2 121.4	RTSE T° 4.2 122.1	RTSE T° 4.2 122.8
1.1	RTSE T° 4.4 113.0	RTSE T° 4.4 113.8	RTSE T° 4.4 114.6	RTSE T° 4.4 115.3	RTSE T° 4.4 116.1	RTSE T° 4.4 116.8
	RTSE T° 4.2 118.6	RTSE T° 4.2 119.4	RTSE T° 4.2 120.2	RTSE T° 4.2 121.0	RTSE T° 4.2 121.7	RTSE T° 4.2 122.4
1.2	RTSE T° 4.4 112.6	RTSE T° 4.4 113.4	RTSE T° 4.4 114.2	RTSE T° 4.4 115.0	RTSE T° 4.4 115.7	RTSE T° 4.4 116.5
	RTSE T° 4.2 118.2	RTSE T° 4.2 119.0	RTSE T° 4.2 119.8	RTSE T° 4.2 120.6	RTSE T° 4.2 121.3	RTSE T° 4.2 122.1
1.3	RTSE T° 4.4 112.2	RTSE T° 4.4 113.0	RTSE T° 4.4 113.8	RTSE T° 4.4 114.6	RTSE T° 4.4 115.4	RTSE T° 4.4 116.1
	RTSE T° 4.2 117.9	RTSE T° 4.2 118.7	RTSE T° 4.2 119.5	RTSE T° 4.2 120.2	RTSE T° 4.2 121.0	RTSE T° 4.2 121.7
1.4	RTSE T° 4.4 111.9	RTSE T° 4.4 112.7	RTSE T° 4.4 113.5	RTSE T° 4.4 114.3	RTSE T° 4.4 115.0	RTSE T° 4.4 115.7
	RTSE T° 4.2 117.5	RTSE T° 4.2 118.3	RTSE T° 4.2 119.1	RTSE T° 4.2 119.9	RTSE T° 4.2 120.6	RTSE T° 4.2 121.4
1.5	RTSE T° 4.4 111.6	RTSE T° 4.4 112.4	RTSE T° 4.4 113.2	RTSE T° 4.4 113.9	RTSE T° 4.4 114.7	RTSE T° 4.4 115.4
	RTSE T° 4.2 117.2	RTSE T° 4.2 118.0	RTSE T° 4.2 118.8	RTSE T° 4.2 119.6	RTSE T° 4.2 120.3	RTSE T° 4.2 121.0

**Fig.4B** 11/36

MELT - INDEX	DENSITY					
	951	952	953	954	955	956
0.5	RTSE T° 4.4 120.2	RTSE T° 4.4 120.9	RTSE T° 4.4 121.6	RTSE T° 4.4 122.2	RTSE T° 4.4 122.8	RTSE T° 4.4 123.4
	RTSE T° 4.2 125.8	RTSE T° 4.2 126.5	RTSE T° 4.2 127.2	RTSE T° 4.2 127.8	RTSE T° 4.2 128.5	RTSE T° 4.2 129.1
0.6	RTSE T° 4.4 119.7	RTSE T° 4.4 120.4	RTSE T° 4.4 121.1	RTSE T° 4.4 121.7	RTSE T° 4.4 122.3	RTSE T° 4.4 122.9
	RTSE T° 4.2 125.3	RTSE T° 4.2 126.0	RTSE T° 4.2 126.7	RTSE T° 4.2 127.3	RTSE T° 4.2 127.9	RTSE T° 4.2 128.6
0.7	RTSE T° 4.4 119.2	RTSE T° 4.4 119.9	RTSE T° 4.4 120.6	RTSE T° 4.4 121.2	RTSE T° 4.4 121.8	RTSE T° 4.4 122.5
	RTSE T° 4.2 124.8	RTSE T° 4.2 125.5	RTSE T° 4.2 126.2	RTSE T° 4.2 126.8	RTSE T° 4.2 127.5	RTSE T° 4.2 128.1
0.8	RTSE T° 4.4 118.8	RTSE T° 4.4 119.5	RTSE T° 4.4 120.1	RTSE T° 4.4 120.8	RTSE T° 4.4 121.4	RTSE T° 4.4 122.0
	RTSE T° 4.2 124.4	RTSE T° 4.2 125.1	RTSE T° 4.2 125.7	RTSE T° 4.2 126.4	RTSE T° 4.2 127.0	RTSE T° 4.2 127.6
0.9	RTSE T° 4.4 118.3	RTSE T° 4.4 119.0	RTSE T° 4.4 119.7	RTSE T° 4.4 120.3	RTSE T° 4.4 121.0	RTSE T° 4.4 121.6
	RTSE T° 4.2 124.0	RTSE T° 4.2 124.6	RTSE T° 4.2 125.3	RTSE T° 4.2 126.0	RTSE T° 4.2 126.6	RTSE T° 4.2 127.2
1.0	RTSE T° 4.4 117.9	RTSE T° 4.4 118.6	RTSE T° 4.4 119.3	RTSE T° 4.4 119.9	RTSE T° 4.4 120.5	RTSE T° 4.4 121.2
	RTSE T° 4.2 123.5	RTSE T° 4.2 124.2	RTSE T° 4.2 124.9	RTSE T° 4.2 125.5	RTSE T° 4.2 126.2	RTSE T° 4.2 126.8
1.1	RTSE T° 4.4 117.5	RTSE T° 4.4 118.2	RTSE T° 4.4 118.9	RTSE T° 4.4 119.5	RTSE T° 4.4 120.2	RTSE T° 4.4 120.8
	RTSE T° 4.2 123.2	RTSE T° 4.2 123.8	RTSE T° 4.2 124.5	RTSE T° 4.2 125.1	RTSE T° 4.2 125.8	RTSE T° 4.2 126.4
1.2	RTSE T° 4.4 117.2	RTSE T° 4.4 117.8	RTSE T° 4.4 118.5	RTSE T° 4.4 119.2	RTSE T° 4.4 119.8	RTSE T° 4.4 120.4
	RTSE T° 4.2 122.8	RTSE T° 4.2 123.5	RTSE T° 4.2 124.1	RTSE T° 4.2 124.8	RTSE T° 4.2 125.4	RTSE T° 4.2 126.0
1.3	RTSE T° 4.4 116.8	RTSE T° 4.4 117.5	RTSE T° 4.4 118.2	RTSE T° 4.4 118.8	RTSE T° 4.4 119.4	RTSE T° 4.4 120.0
	RTSE T° 4.2 122.4	RTSE T° 4.2 123.1	RTSE T° 4.2 123.8	RTSE T° 4.2 124.4	RTSE T° 4.2 125.0	RTSE T° 4.2 125.6
1.4	RTSE T° 4.4 116.5	RTSE T° 4.4 117.1	RTSE T° 4.4 117.8	RTSE T° 4.4 118.5	RTSE T° 4.4 119.1	RTSE T° 4.4 119.7
	RTSE T° 4.2 122.1	RTSE T° 4.2 122.8	RTSE T° 4.2 123.4	RTSE T° 4.2 124.1	RTSE T° 4.2 124.7	RTSE T° 4.2 125.3
1.5	RTSE T° 4.4 116.1	RTSE T° 4.4 116.8	RTSE T° 4.4 117.5	RTSE T° 4.4 118.1	RTSE T° 4.4 118.7	RTSE T° 4.4 119.4
	RTSE T° 4.2 121.7	RTSE T° 4.2 122.4	RTSE T° 4.2 123.1	RTSE T° 4.2 123.7	RTSE T° 4.2 124.4	RTSE T° 4.2 125.0

**Fig.4C** 12/36

MELT - INDEX	DENSITY			
	957	958	959	960
0.5	RTSE T° 4.4 124.0	RTSE T° 4.4 124.6	RTSE T° 4.4 125.1	RTSE T° 4.4 125.7
	RTSE T° 4.2 129.7	RTSE T° 4.2 130.2	RTSE T° 4.2 130.8	RTSE T° 4.2 131.3
0.6	RTSE T° 4.4 123.5	RTSE T° 4.4 124.1	RTSE T° 4.4 124.6	RTSE T° 4.4 125.2
	RTSE T° 4.2 129.1	RTSE T° 4.2 129.7	RTSE T° 4.2 130.3	RTSE T° 4.2 130.8
0.7	RTSE T° 4.4 123.0	RTSE T° 4.4 123.6	RTSE T° 4.4 124.2	RTSE T° 4.4 124.7
	RTSE T° 4.2 128.7	RTSE T° 4.2 129.2	RTSE T° 4.2 129.8	RTSE T° 4.2 130.3
0.8	RTSE T° 4.4 122.6	RTSE T° 4.4 123.2	RTSE T° 4.4 123.7	RTSE T° 4.4 124.2
	RTSE T° 4.2 128.2	RTSE T° 4.2 128.8	RTSE T° 4.2 129.3	RTSE T° 4.2 129.8
0.9	RTSE T° 4.4 122.2	RTSE T° 4.4 122.7	RTSE T° 4.4 123.3	RTSE T° 4.4 123.8
	RTSE T° 4.2 127.8	RTSE T° 4.2 128.3	RTSE T° 4.2 128.9	RTSE T° 4.2 129.4
1.0	RTSE T° 4.4 121.7	RTSE T° 4.4 122.3	RTSE T° 4.4 122.9	RTSE T° 4.4 123.4
	RTSE T° 4.2 127.4	RTSE T° 4.2 127.9	RTSE T° 4.2 128.5	RTSE T° 4.2 129.0
1.1	RTSE T° 4.4 121.3	RTSE T° 4.4 121.9	RTSE T° 4.4 122.5	RTSE T° 4.4 123.0
	RTSE T° 4.2 127.0	RTSE T° 4.2 127.5	RTSE T° 4.2 128.1	RTSE T° 4.2 128.6
1.2	RTSE T° 4.4 121.0	RTSE T° 4.4 121.5	RTSE T° 4.4 122.1	RTSE T° 4.4 122.6
	RTSE T° 4.2 126.6	RTSE T° 4.2 127.2	RTSE T° 4.2 127.7	RTSE T° 4.2 128.2
1.3	RTSE T° 4.4 120.6	RTSE T° 4.4 121.2	RTSE T° 4.4 121.7	RTSE T° 4.4 122.3
	RTSE T° 4.2 126.2	RTSE T° 4.2 126.8	RTSE T° 4.2 127.3	RTSE T° 4.2 127.9
1.4	RTSE T° 4.4 120.3	RTSE T° 4.4 120.8	RTSE T° 4.4 121.4	RTSE T° 4.4 121.9
	RTSE T° 4.2 125.9	RTSE T° 4.2 126.5	RTSE T° 4.2 127.0	RTSE T° 4.2 127.5
1.5	RTSE T° 4.4 119.9	RTSE T° 4.4 120.5	RTSE T° 4.4 121.1	RTSE T° 4.4 121.6
	RTSE T° 4.2 125.6	RTSE T° 4.2 126.1	RTSE T° 4.2 126.7	RTSE T° 4.2 127.2

**Fig.5A** 13/36

MELT - INDEX	DENSITY					
	930	931	932	933	934	935
11.0	RTSE T° 4.4 83.6	RTSE T° 4.4 84.8	RTSE T° 4.4 85.9	RTSE T° 4.4 87.1	RTSE T° 4.4 88.2	RTSE T° 4.4 89.2
	RTSE T° 4.2 89.2	RTSE T° 4.2 90.4	RTSE T° 4.2 91.6	RTSE T° 4.2 92.7	RTSE T° 4.2 93.8	RTSE T° 4.2 94.9
12.0	RTSE T° 4.4 83.0	RTSE T° 4.4 84.2	RTSE T° 4.4 85.3	RTSE T° 4.4 86.4	RTSE T° 4.4 87.5	RTSE T° 4.4 88.6
	RTSE T° 4.2 88.6	RTSE T° 4.2 89.8	RTSE T° 4.2 90.9	RTSE T° 4.2 92.1	RTSE T° 4.2 93.2	RTSE T° 4.2 94.2
13.0	RTSE T° 4.4 82.4	RTSE T° 4.4 83.6	RTSE T° 4.4 84.7	RTSE T° 4.4 85.9	RTSE T° 4.4 87.0	RTSE T° 4.4 88.0
	RTSE T° 4.2 88.0	RTSE T° 4.2 89.2	RTSE T° 4.2 90.3	RTSE T° 4.2 91.5	RTSE T° 4.2 92.6	RTSE T° 4.2 93.7
14.0	RTSE T° 4.4 81.9	RTSE T° 4.4 83.0	RTSE T° 4.4 84.2	RTSE T° 4.4 85.3	RTSE T° 4.4 86.4	RTSE T° 4.4 87.5
	RTSE T° 4.2 87.5	RTSE T° 4.2 88.7	RTSE T° 4.2 89.8	RTSE T° 4.2 90.9	RTSE T° 4.2 92.0	RTSE T° 4.2 93.1
16.0	RTSE T° 4.4 80.9	RTSE T° 4.4 82.1	RTSE T° 4.4 83.2	RTSE T° 4.4 84.4	RTSE T° 4.4 85.5	RTSE T° 4.4 86.6
	RTSE T° 4.2 86.5	RTSE T° 4.2 87.7	RTSE T° 4.2 88.9	RTSE T° 4.2 90.0	RTSE T° 4.2 91.1	RTSE T° 4.2 92.2
18.0	RTSE T° 4.4 80.1	RTSE T° 4.4 81.3	RTSE T° 4.4 82.4	RTSE T° 4.4 83.6	RTSE T° 4.4 84.7	RTSE T° 4.4 85.7
	RTSE T° 4.2 85.7	RTSE T° 4.2 86.9	RTSE T° 4.2 88.0	RTSE T° 4.2 89.2	RTSE T° 4.2 90.3	RTSE T° 4.2 91.4
20.0	RTSE T° 4.4 79.4	RTSE T° 4.4 80.6	RTSE T° 4.4 81.7	RTSE T° 4.4 82.8	RTSE T° 4.4 83.9	RTSE T° 4.4 85.0
	RTSE T° 4.2 85.0	RTSE T° 4.2 86.2	RTSE T° 4.2 87.3	RTSE T° 4.2 88.5	RTSE T° 4.2 89.6	RTSE T° 4.2 90.6
22.0	RTSE T° 4.4 78.8	RTSE T° 4.4 79.9	RTSE T° 4.4 81.1	RTSE T° 4.4 82.2	RTSE T° 4.4 83.3	RTSE T° 4.4 84.4
	RTSE T° 4.2 84.4	RTSE T° 4.2 85.6	RTSE T° 4.2 86.7	RTSE T° 4.2 87.8	RTSE T° 4.2 88.9	RTSE T° 4.2 90.0
24.0	RTSE T° 4.4 78.2	RTSE T° 4.4 79.4	RTSE T° 4.4 80.5	RTSE T° 4.4 81.7	RTSE T° 4.4 82.8	RTSE T° 4.4 83.9
	RTSE T° 4.2 83.8	RTSE T° 4.2 85.0	RTSE T° 4.2 86.2	RTSE T° 4.2 87.3	RTSE T° 4.2 88.4	RTSE T° 4.2 89.5
27.0	RTSE T° 4.4 77.5	RTSE T° 4.4 78.7	RTSE T° 4.4 79.8	RTSE T° 4.4 81.0	RTSE T° 4.4 82.1	RTSE T° 4.4 83.1
	RTSE T° 4.2 83.1	RTSE T° 4.2 84.3	RTSE T° 4.2 85.5	RTSE T° 4.2 86.6	RTSE T° 4.2 87.7	RTSE T° 4.2 88.8
30.0	RTSE T° 4.4 76.9	RTSE T° 4.4 78.1	RTSE T° 4.4 79.3	RTSE T° 4.4 80.4	RTSE T° 4.4 81.5	RTSE T° 4.4 82.6
	RTSE T° 4.2 82.5	RTSE T° 4.2 83.7	RTSE T° 4.2 84.9	RTSE T° 4.2 86.0	RTSE T° 4.2 87.1	RTSE T° 4.2 88.2

**Fig.5B** 14/36

MELT - INDEX	DENSITY					
	936	937	938	939	940	941
11.0	RTSE T° 4.4 90.3	RTSE T° 4.4 91.3	RTSE T° 4.4 92.3	RTSE T° 4.4 93.3	RTSE T° 4.4 94.3	RTSE T° 4.4 95.2
	RTSE T° 4.2 95.9	RTSE T° 4.2 96.9	RTSE T° 4.2 97.9	RTSE T° 4.2 98.9	RTSE T° 4.2 99.9	RTSE T° 4.2 100.8
12.0	RTSE T° 4.4 89.7	RTSE T° 4.4 90.7	RTSE T° 4.4 91.7	RTSE T° 4.4 92.7	RTSE T° 4.4 93.6	RTSE T° 4.4 94.6
	RTSE T° 4.2 95.3	RTSE T° 4.2 96.3	RTSE T° 4.2 97.3	RTSE T° 4.2 98.3	RTSE T° 4.2 99.2	RTSE T° 4.2 100.2
13.0	RTSE T° 4.4 89.1	RTSE T° 4.4 90.1	RTSE T° 4.4 91.1	RTSE T° 4.4 92.1	RTSE T° 4.4 93.0	RTSE T° 4.4 94.0
	RTSE T° 4.2 94.7	RTSE T° 4.2 95.7	RTSE T° 4.2 96.7	RTSE T° 4.2 97.7	RTSE T° 4.2 98.7	RTSE T° 4.2 99.6
14.0	RTSE T° 4.4 88.6	RTSE T° 4.4 89.6	RTSE T° 4.4 90.6	RTSE T° 4.4 91.6	RTSE T° 4.4 92.5	RTSE T° 4.4 93.4
	RTSE T° 4.2 94.2	RTSE T° 4.2 95.2	RTSE T° 4.2 96.2	RTSE T° 4.2 97.2	RTSE T° 4.2 98.1	RTSE T° 4.2 99.1
16.0	RTSE T° 4.4 87.6	RTSE T° 4.4 88.6	RTSE T° 4.4 89.6	RTSE T° 4.4 90.6	RTSE T° 4.4 91.6	RTSE T° 4.4 92.5
	RTSE T° 4.2 93.2	RTSE T° 4.2 94.2	RTSE T° 4.2 95.3	RTSE T° 4.2 96.2	RTSE T° 4.2 97.2	RTSE T° 4.2 98.1
18.0	RTSE T° 4.4 86.8	RTSE T° 4.4 87.8	RTSE T° 4.4 88.8	RTSE T° 4.4 89.8	RTSE T° 4.4 90.7	RTSE T° 4.4 91.7
	RTSE T° 4.2 92.4	RTSE T° 4.2 93.4	RTSE T° 4.2 94.4	RTSE T° 4.2 95.4	RTSE T° 4.2 96.4	RTSE T° 4.2 97.3
20.0	RTSE T° 4.4 86.1	RTSE T° 4.4 87.1	RTSE T° 4.4 88.1	RTSE T° 4.4 89.1	RTSE T° 4.4 90.0	RTSE T° 4.4 91.0
	RTSE T° 4.2 91.7	RTSE T° 4.2 92.7	RTSE T° 4.2 93.7	RTSE T° 4.2 94.7	RTSE T° 4.2 95.7	RTSE T° 4.2 96.6
22.0	RTSE T° 4.4 85.5	RTSE T° 4.4 88.5	RTSE T° 4.4 87.5	RTSE T° 4.4 88.5	RTSE T° 4.4 89.4	RTSE T° 4.4 90.3
	RTSE T° 4.2 91.1	RTSE T° 4.2 92.1	RTSE T° 4.2 93.1	RTSE T° 4.2 94.1	RTSE T° 4.2 95.0	RTSE T° 4.2 96.0
24.0	RTSE T° 4.4 84.9	RTSE T° 4.4 85.9	RTSE T° 4.4 86.9	RTSE T° 4.4 87.9	RTSE T° 4.4 88.9	RTSE T° 4.4 89.8
	RTSE T° 4.2 90.5	RTSE T° 4.2 91.5	RTSE T° 4.2 92.6	RTSE T° 4.2 93.5	RTSE T° 4.2 94.5	RTSE T° 4.2 95.4
27.0	RTSE T° 4.4 84.2	RTSE T° 4.4 85.2	RTSE T° 4.4 86.2	RTSE T° 4.4 87.2	RTSE T° 4.4 88.2	RTSE T° 4.4 89.1
	RTSE T° 4.2 89.8	RTSE T° 4.2 90.8	RTSE T° 4.2 91.8	RTSE T° 4.2 92.8	RTSE T° 4.2 93.8	RTSE T° 4.2 94.7
30.0	RTSE T° 4.4 83.6	RTSE T° 4.4 84.6	RTSE T° 4.4 85.6	RTSE T° 4.4 86.6	RTSE T° 4.4 87.6	RTSE T° 4.4 88.5
	RTSE T° 4.2 89.2	RTSE T° 4.2 90.3	RTSE T° 4.2 91.3	RTSE T° 4.2 92.2	RTSE T° 4.2 93.2	RTSE T° 4.2 94.1

**Fig.5C** 15/36

MELT - INDEX	DENSITY			
	942	943	944	945
11.0	RTSE T° 4.4 96.1	RTSE T° 4.4 97.0	RTSE T° 4.4 97.8	RTSE T° 4.4 98.7
	RTSE T° 4.2 101.7	RTSE T° 4.2 102.6	RTSE T° 4.2 103.5	RTSE T° 4.2 104.3
12.0	RTSE T° 4.4 95.5	RTSE T° 4.4 96.4	RTSE T° 4.4 97.2	RTSE T° 4.4 98.1
	RTSE T° 4.2 101.1	RTSE T° 4.2 102.0	RTSE T° 4.2 102.8	RTSE T° 4.2 103.7
13.0	RTSE T° 4.4 94.4	RTSE T° 4.4 95.8	RTSE T° 4.4 96.6	RTSE T° 4.4 97.5
	RTSE T° 4.2 100.5	RTSE T° 4.2 101.4	RTSE T° 4.2 102.3	RTSE T° 4.2 103.1
14.0	RTSE T° 4.4 94.4	RTSE T° 4.4 95.2	RTSE T° 4.4 96.1	RTSE T° 4.4 96.9
	RTSE T° 4.2 100.0	RTSE T° 4.2 100.9	RTSE T° 4.2 101.7	RTSE T° 4.2 102.6
16.0	RTSE T° 4.4 93.4	RTSE T° 4.4 94.3	RTSE T° 4.4 95.2	RTSE T° 4.4 96.0
	RTSE T° 4.2 99.0	RTSE T° 4.2 99.9	RTSE T° 4.2 100.8	RTSE T° 4.2 101.6
18.0	RTSE T° 4.4 92.6	RTSE T° 4.4 93.5	RTSE T° 4.4 94.3	RTSE T° 4.4 95.2
	RTSE T° 4.2 98.2	RTSE T° 4.2 99.1	RTSE T° 4.2 100.0	RTSE T° 4.2 100.8
20.0	RTSE T° 4.4 91.9	RTSE T° 4.4 92.8	RTSE T° 4.4 93.6	RTSE T° 4.4 94.5
	RTSE T° 4.2 97.5	RTSE T° 4.2 98.4	RTSE T° 4.2 99.2	RTSE T° 4.2 100.1
22.0	RTSE T° 4.4 91.3	RTSE T° 4.4 92.1	RTSE T° 4.4 93.0	RTSE T° 4.4 93.8
	RTSE T° 4.2 96.9	RTSE T° 4.2 97.8	RTSE T° 4.2 98.6	RTSE T° 4.2 99.5
24.0	RTSE T° 4.4 90.7	RTSE T° 4.4 91.6	RTSE T° 4.4 92.5	RTSE T° 4.4 93.3
	RTSE T° 4.2 96.3	RTSE T° 4.2 97.2	RTSE T° 4.2 98.1	RTSE T° 4.2 98.9
27.0	RTSE T° 4.4 90.0	RTSE T° 4.4 90.9	RTSE T° 4.4 91.7	RTSE T° 4.4 92.6
	RTSE T° 4.2 95.6	RTSE T° 4.2 96.5	RTSE T° 4.2 97.4	RTSE T° 4.2 98.2
30.0	RTSE T° 4.4 89.4	RTSE T° 4.4 90.3	RTSE T° 4.4 91.2	RTSE T° 4.4 92.0
	RTSE T° 4.2 95.0	RTSE T° 4.2 95.9	RTSE T° 4.2 96.8	RTSE T° 4.2 97.6

Fig.6A 16/36

MELT - INDEX	DENSITY					
	930	931	932	933	934	935
3.9	RTSE T° 4.4 91.0	RTSE T° 4.4 92.1	RTSE T° 4.4 93.3	RTSE T° 4.4 94.4	RTSE T° 4.4 95.5	RTSE T° 4.4 96.6
	RTSE T° 4.2 96.6	RTSE T° 4.2 97.8	RTSE T° 4.2 98.9	RTSE T° 4.2 100.0	RTSE T° 4.2 101.1	RTSE T° 4.2 102.2
4.3	RTSE T° 4.4 90.3	RTSE T° 4.4 91.5	RTSE T° 4.4 92.6	RTSE T° 4.4 93.8	RTSE T° 4.4 94.9	RTSE T° 4.4 95.9
	RTSE T° 4.2 95.9	RTSE T° 4.2 97.1	RTSE T° 4.2 98.3	RTSE T° 4.2 99.4	RTSE T° 4.2 100.5	RTSE T° 4.2 101.6
4.8	RTSE T° 4.4 89.6	RTSE T° 4.4 90.7	RTSE T° 4.4 91.9	RTSE T° 4.4 93.0	RTSE T° 4.4 94.1	RTSE T° 4.4 95.2
	RTSE T° 4.2 95.2	RTSE T° 4.2 96.4	RTSE T° 4.2 97.5	RTSE T° 4.2 98.6	RTSE T° 4.2 99.7	RTSE T° 4.2 100.8
5.3	RTSE T° 4.4 88.9	RTSE T° 4.4 90.1	RTSE T° 4.4 91.2	RTSE T° 4.4 92.3	RTSE T° 4.4 93.4	RTSE T° 4.4 94.5
	RTSE T° 4.2 94.5	RTSE T° 4.2 95.7	RTSE T° 4.2 96.8	RTSE T° 4.2 98.0	RTSE T° 4.2 99.1	RTSE T° 4.2 100.1
5.9	RTSE T° 4.4 88.1	RTSE T° 4.4 89.3	RTSE T° 4.4 90.5	RTSE T° 4.4 91.6	RTSE T° 4.4 92.7	RTSE T° 4.4 93.8
	RTSE T° 4.2 93.8	RTSE T° 4.2 94.9	RTSE T° 4.2 96.1	RTSE T° 4.2 97.2	RTSE T° 4.2 98.3	RTSE T° 4.2 99.4
6.5	RTSE T° 4.4 87.4	RTSE T° 4.4 88.6	RTSE T° 4.4 89.8	RTSE T° 4.4 90.9	RTSE T° 4.4 92.0	RTSE T° 4.4 93.1
	RTSE T° 4.2 93.1	RTSE T° 4.2 94.2	RTSE T° 4.2 95.4	RTSE T° 4.2 96.5	RTSE T° 4.2 97.6	RTSE T° 4.2 98.7
7.2	RTSE T° 4.4 86.7	RTSE T° 4.4 87.9	RTSE T° 4.4 89.0	RTSE T° 4.4 90.2	RTSE T° 4.4 91.3	RTSE T° 4.4 92.3
	RTSE T° 4.2 92.3	RTSE T° 4.2 93.5	RTSE T° 4.2 94.7	RTSE T° 4.2 95.8	RTSE T° 4.2 96.9	RTSE T° 4.2 98.0
8.0	RTSE T° 4.4 85.9	RTSE T° 4.4 87.1	RTSE T° 4.4 88.3	RTSE T° 4.4 89.4	RTSE T° 4.4 90.5	RTSE T° 4.4 91.6
	RTSE T° 4.2 91.6	RTSE T° 4.2 92.7	RTSE T° 4.2 93.9	RTSE T° 4.2 95.0	RTSE T° 4.2 96.1	RTSE T° 4.2 97.2
8.9	RTSE T° 4.4 85.2	RTSE T° 4.4 86.3	RTSE T° 4.4 87.5	RTSE T° 4.4 88.6	RTSE T° 4.4 89.7	RTSE T° 4.4 90.8
	RTSE T° 4.2 90.8	RTSE T° 4.2 92.0	RTSE T° 4.2 93.1	RTSE T° 4.2 94.2	RTSE T° 4.2 95.3	RTSE T° 4.2 96.4
9.9	RTSE T° 4.4 84.4	RTSE T° 4.4 85.6	RTSE T° 4.4 86.7	RTSE T° 4.4 87.8	RTSE T° 4.4 88.9	RTSE T° 4.4 90.0
	RTSE T° 4.2 90.0	RTSE T° 4.2 91.2	RTSE T° 4.2 92.3	RTSE T° 4.2 93.5	RTSE T° 4.2 94.6	RTSE T° 4.2 95.6
11.0	RTSE T° 4.4 83.6	RTSE T° 4.4 84.8	RTSE T° 4.4 85.9	RTSE T° 4.4 87.1	RTSE T° 4.4 88.2	RTSE T° 4.4 89.2
	RTSE T° 4.2 89.2	RTSE T° 4.2 90.4	RTSE T° 4.2 91.6	RTSE T° 4.2 92.7	RTSE T° 4.2 93.8	RTSE T° 4.2 94.9



**Fig.6B** 17/36

MELT - INDEX	DENSITY					
	936	937	938	939	940	941
3.9	RTSE T° 4.4 97.6	RTSE T° 4.4 98.7	RTSE T° 4.4 99.7	RTSE T° 4.4 100.7	RTSE T° 4.4 101.6	RTSE T° 4.4 102.5
	RTSE T° 4.2 103.3	RTSE T° 4.2 104.3	RTSE T° 4.2 105.3	RTSE T° 4.2 106.3	RTSE T° 4.2 107.2	RTSE T° 4.2 108.2
4.3	RTSE T° 4.4 97.0	RTSE T° 4.4 98.0	RTSE T° 4.4 99.0	RTSE T° 4.4 100.0	RTSE T° 4.4 101.0	RTSE T° 4.4 101.9
	RTSE T° 4.2 102.6	RTSE T° 4.2 103.6	RTSE T° 4.2 104.6	RTSE T° 4.2 105.6	RTSE T° 4.2 106.6	RTSE T° 4.2 107.5
4.8	RTSE T° 4.4 96.3	RTSE T° 4.4 97.3	RTSE T° 4.4 98.3	RTSE T° 4.4 99.3	RTSE T° 4.4 100.2	RTSE T° 4.4 101.1
	RTSE T° 4.2 101.9	RTSE T° 4.2 102.9	RTSE T° 4.2 103.9	RTSE T° 4.2 104.9	RTSE T° 4.2 105.8	RTSE T° 4.2 106.8
5.3	RTSE T° 4.4 95.6	RTSE T° 4.4 96.6	RTSE T° 4.4 97.6	RTSE T° 4.4 98.6	RTSE T° 4.4 99.5	RTSE T° 4.4 100.5
	RTSE T° 4.2 101.2	RTSE T° 4.2 102.2	RTSE T° 4.2 103.2	RTSE T° 4.2 104.2	RTSE T° 4.2 105.1	RTSE T° 4.2 106.1
5.9	RTSE T° 4.4 94.8	RTSE T° 4.4 95.8	RTSE T° 4.4 96.8	RTSE T° 4.4 97.8	RTSE T° 4.4 98.8	RTSE T° 4.4 99.7
	RTSE T° 4.2 100.4	RTSE T° 4.2 101.5	RTSE T° 4.2 102.5	RTSE T° 4.2 103.4	RTSE T° 4.2 104.4	RTSE T° 4.2 105.3
6.5	RTSE T° 4.4 94.1	RTSE T° 4.4 95.2	RTSE T° 4.4 96.2	RTSE T° 4.4 97.1	RTSE T° 4.4 98.1	RTSE T° 4.4 99.0
	RTSE T° 4.2 99.7	RTSE T° 4.2 100.8	RTSE T° 4.2 101.8	RTSE T° 4.2 102.8	RTSE T° 4.2 103.7	RTSE T° 4.2 104.6
7.2	RTSE T° 4.4 93.4	RTSE T° 4.4 94.4	RTSE T° 4.4 95.4	RTSE T° 4.4 96.4	RTSE T° 4.4 97.4	RTSE T° 4.4 98.3
	RTSE T° 4.2 99.0	RTSE T° 4.2 100.0	RTSE T° 4.2 101.0	RTSE T° 4.2 102.0	RTSE T° 4.2 103.0	RTSE T° 4.2 103.9
8.0	RTSE T° 4.4 92.6	RTSE T° 4.4 93.7	RTSE T° 4.4 94.7	RTSE T° 4.4 95.6	RTSE T° 4.4 96.6	RTSE T° 4.4 97.5
	RTSE T° 4.2 98.2	RTSE T° 4.2 99.3	RTSE T° 4.2 100.3	RTSE T° 4.2 101.3	RTSE T° 4.2 102.2	RTSE T° 4.2 103.1
8.9	RTSE T° 4.4 91.8	RTSE T° 4.4 92.9	RTSE T° 4.4 93.9	RTSE T° 4.4 94.9	RTSE T° 4.4 95.8	RTSE T° 4.4 96.7
	RTSE T° 4.2 97.5	RTSE T° 4.2 98.5	RTSE T° 4.2 99.5	RTSE T° 4.2 100.5	RTSE T° 4.2 101.4	RTSE T° 4.2 102.4
9.9	RTSE T° 4.4 91.1	RTSE T° 4.4 92.1	RTSE T° 4.4 93.1	RTSE T° 4.4 94.1	RTSE T° 4.4 95.0	RTSE T° 4.4 96.0
	RTSE T° 4.2 96.7	RTSE T° 4.2 97.7	RTSE T° 4.2 98.7	RTSE T° 4.2 99.7	RTSE T° 4.2 100.7	RTSE T° 4.2 101.6
11.0	RTSE T° 4.4 90.3	RTSE T° 4.4 91.3	RTSE T° 4.4 92.3	RTSE T° 4.4 93.3	RTSE T° 4.4 94.3	RTSE T° 4.4 95.2
	RTSE T° 4.2 95.9	RTSE T° 4.2 96.9	RTSE T° 4.2 97.9	RTSE T° 4.2 98.9	RTSE T° 4.2 99.9	RTSE T° 4.2 100.8

**Fig.6C** 18/36

MELT - INDEX	DENSITY			
	942	943	944	945
3.9	RTSE T° 4.4 103.4	RTSE T° 4.4 104.3	RTSE T° 4.4 105.2	RTSE T° 4.4 106.0
	RTSE T° 4.2 109.1	RTSE T° 4.2 110.0	RTSE T° 4.2 110.8	RTSE T° 4.2 111.7
4.3	RTSE T° 4.4 102.8	RTSE T° 4.4 103.7	RTSE T° 4.4 104.5	RTSE T° 4.4 105.4
	RTSE T° 4.2 108.4	RTSE T° 4.2 109.3	RTSE T° 4.2 110.2	RTSE T° 4.2 111.0
4.8	RTSE T° 4.4 102.1	RTSE T° 4.4 102.9	RTSE T° 4.4 103.8	RTSE T° 4.4 104.6
	RTSE T° 4.2 107.7	RTSE T° 4.2 108.6	RTSE T° 4.2 109.4	RTSE T° 4.2 110.3
5.3	RTSE T° 4.4 101.4	RTSE T° 4.4 102.3	RTSE T° 4.4 103.1	RTSE T° 4.4 104.0
	RTSE T° 4.2 107.0	RTSE T° 4.2 107.9	RTSE T° 4.2 108.7	RTSE T° 4.2 109.6
5.9	RTSE T° 4.4 100.6	RTSE T° 4.4 101.5	RTSE T° 4.4 102.4	RTSE T° 4.4 103.2
	RTSE T° 4.2 106.2	RTSE T° 4.2 107.1	RTSE T° 4.2 108.0	RTSE T° 4.2 108.8
6.5	RTSE T° 4.4 99.9	RTSE T° 4.4 100.8	RTSE T° 4.4 101.7	RTSE T° 4.4 102.5
	RTSE T° 4.2 105.5	RTSE T° 4.2 106.4	RTSE T° 4.2 107.3	RTSE T° 4.2 108.1
7.2	RTSE T° 4.4 99.2	RTSE T° 4.4 100.1	RTSE T° 4.4 100.9	RTSE T° 4.4 101.8
	RTSE T° 4.2 104.8	RTSE T° 4.2 105.7	RTSE T° 4.2 106.6	RTSE T° 4.2 107.4
8.0	RTSE T° 4.4 98.4	RTSE T° 4.4 99.3	RTSE T° 4.4 100.2	RTSE T° 4.4 101.0
	RTSE T° 4.2 104.0	RTSE T° 4.2 104.9	RTSE T° 4.2 105.8	RTSE T° 4.2 106.6
8.9	RTSE T° 4.4 97.7	RTSE T° 4.4 98.5	RTSE T° 4.4 99.4	RTSE T° 4.4 100.2
	RTSE T° 4.2 103.3	RTSE T° 4.2 104.2	RTSE T° 4.2 105.0	RTSE T° 4.2 105.9
9.9	RTSE T° 4.4 96.9	RTSE T° 4.4 97.8	RTSE T° 4.4 98.6	RTSE T° 4.4 99.5
	RTSE T° 4.2 102.5	RTSE T° 4.2 103.4	RTSE T° 4.2 104.2	RTSE T° 4.2 105.1
11.0	RTSE T° 4.4 96.1	RTSE T° 4.4 97.0	RTSE T° 4.4 97.8	RTSE T° 4.4 98.7
	RTSE T° 4.2 101.7	RTSE T° 4.2 102.6	RTSE T° 4.2 103.5	RTSE T° 4.2 104.3

**Fig.7A** 19/36

MELT - INDEX	DENSITY					
	930	931	932	933	934	935
1.4	RTSE T° 4.4 96.8	RTSE T° 4.4 98.0	RTSE T° 4.4 99.1	RTSE T° 4.4 100.3	RTSE T° 4.4 101.4	RTSE T° 4.4 102.5
	RTSE T° 4.2 102.4	RTSE T° 4.2 103.6	RTSE T° 4.2 104.8	RTSE T° 4.2 105.9	RTSE T° 4.2 107.0	RTSE T° 4.2 108.1
1.5	RTSE T° 4.4 96.5	RTSE T° 4.4 97.7	RTSE T° 4.4 98.8	RTSE T° 4.4 99.9	RTSE T° 4.4 101.0	RTSE T° 4.4 102.1
	RTSE T° 4.2 102.1	RTSE T° 4.2 103.3	RTSE T° 4.2 104.4	RTSE T° 4.2 105.6	RTSE T° 4.2 106.7	RTSE T° 4.2 107.7
1.7	RTSE T° 4.4 95.9	RTSE T° 4.4 97.0	RTSE T° 4.4 98.2	RTSE T° 4.4 99.3	RTSE T° 4.4 100.4	RTSE T° 4.4 101.5
	RTSE T° 4.2 101.5	RTSE T° 4.2 102.7	RTSE T° 4.2 103.8	RTSE T° 4.2 104.9	RTSE T° 4.2 106.0	RTSE T° 4.2 107.1
1.9	RTSE T° 4.4 95.3	RTSE T° 4.4 96.5	RTSE T° 4.4 97.6	RTSE T° 4.4 98.7	RTSE T° 4.4 99.8	RTSE T° 4.4 100.9
	RTSE T° 4.2 100.9	RTSE T° 4.2 102.1	RTSE T° 4.2 103.2	RTSE T° 4.2 104.4	RTSE T° 4.2 105.5	RTSE T° 4.2 106.5
2.1	RTSE T° 4.4 94.7	RTSE T° 4.4 95.9	RTSE T° 4.4 97.1	RTSE T° 4.4 98.2	RTSE T° 4.4 99.3	RTSE T° 4.4 100.4
	RTSE T° 4.2 100.4	RTSE T° 4.2 101.5	RTSE T° 4.2 102.7	RTSE T° 4.2 103.8	RTSE T° 4.2 104.9	RTSE T° 4.2 106.0
2.3	RTSE T° 4.4 94.2	RTSE T° 4.4 95.4	RTSE T° 4.4 96.6	RTSE T° 4.4 97.7	RTSE T° 4.4 98.8	RTSE T° 4.4 99.9
	RTSE T° 4.2 99.8	RTSE T° 4.2 101.0	RTSE T° 4.2 102.2	RTSE T° 4.2 103.3	RTSE T° 4.2 104.4	RTSE T° 4.2 104.4
2.6	RTSE T° 4.4 93.5	RTSE T° 4.4 94.7	RTSE T° 4.4 95.8	RTSE T° 4.4 97.0	RTSE T° 4.4 98.1	RTSE T° 4.4 99.1
	RTSE T° 4.2 99.1	RTSE T° 4.2 100.3	RTSE T° 4.2 101.5	RTSE T° 4.2 102.6	RTSE T° 4.2 103.7	RTSE T° 4.2 104.8
2.9	RTSE T° 4.4 92.9	RTSE T° 4.4 94.0	RTSE T° 4.4 95.2	RTSE T° 4.4 96.3	RTSE T° 4.4 97.4	RTSE T° 4.4 98.5
	RTSE T° 4.2 98.5	RTSE T° 4.2 99.6	RTSE T° 4.2 100.8	RTSE T° 4.2 101.9	RTSE T° 4.2 103.0	RTSE T° 4.2 104.1
3.2	RTSE T° 4.4 92.2	RTSE T° 4.4 93.4	RTSE T° 4.4 94.6	RTSE T° 4.4 95.7	RTSE T° 4.4 96.8	RTSE T° 4.4 97.9
	RTSE T° 4.2 97.9	RTSE T° 4.2 99.0	RTSE T° 4.2 100.2	RTSE T° 4.2 101.3	RTSE T° 4.2 102.4	RTSE T° 4.2 103.5
3.6	RTSE T° 4.4 91.5	RTSE T° 4.4 92.7	RTSE T° 4.4 93.8	RTSE T° 4.4 94.9	RTSE T° 4.4 96.0	RTSE T° 4.4 97.1
	RTSE T° 4.2 97.1	RTSE T° 4.2 98.3	RTSE T° 4.2 99.4	RTSE T° 4.2 100.6	RTSE T° 4.2 101.7	RTSE T° 4.2 102.7
4.0	RTSE T° 4.4 90.8	RTSE T° 4.4 92.0	RTSE T° 4.4 93.1	RTSE T° 4.4 94.3	RTSE T° 4.4 95.4	RTSE T° 4.4 96.4
	RTSE T° 4.2 96.4	RTSE T° 4.2 97.6	RTSE T° 4.2 98.7	RTSE T° 4.2 99.9	RTSE T° 4.2 101.0	RTSE T° 4.2 102.0

**Fig.7B** 20/36

MELT - INDEX	DENSITY					
	936	937	938	939	940	941
1.4	RTSE T° 4.4 103.5	RTSE T° 4.4 104.5	RTSE T° 4.4 105.5	RTSE T° 4.4 106.5	RTSE T° 4.4 107.5	RTSE T° 4.4 108.4
	RTSE T° 4.2 109.1	RTSE T° 4.2 110.1	RTSE T° 4.2 111.2	RTSE T° 4.2 112.1	RTSE T° 4.2 113.1	RTSE T° 4.2 114.0
1.5	RTSE T° 4.4 103.2	RTSE T° 4.4 104.2	RTSE T° 4.4 105.2	RTSE T° 4.4 106.2	RTSE T° 4.4 107.1	RTSE T° 4.4 108.1
	RTSE T° 4.2 108.8	RTSE T° 4.2 109.8	RTSE T° 4.2 110.8	RTSE T° 4.2 111.8	RTSE T° 4.2 112.8	RTSE T° 4.2 113.7
1.7	RTSE T° 4.4 102.5	RTSE T° 4.4 103.6	RTSE T° 4.4 104.6	RTSE T° 4.4 105.6	RTSE T° 4.4 106.5	RTSE T° 4.4 107.4
	RTSE T° 4.2 108.2	RTSE T° 4.2 109.2	RTSE T° 4.2 110.2	RTSE T° 4.2 111.2	RTSE T° 4.2 112.1	RTSE T° 4.2 113.1
1.9	RTSE T° 4.4 102.0	RTSE T° 4.4 103.0	RTSE T° 4.4 104.0	RTSE T° 4.4 105.0	RTSE T° 4.4 105.9	RTSE T° 4.4 106.9
	RTSE T° 4.2 107.6	RTSE T° 4.2 108.6	RTSE T° 4.2 109.6	RTSE T° 4.2 110.6	RTSE T° 4.2 111.5	RTSE T° 4.2 112.5
2.1	RTSE T° 4.4 101.4	RTSE T° 4.4 102.4	RTSE T° 4.4 103.4	RTSE T° 4.4 104.4	RTSE T° 4.4 105.4	RTSE T° 4.4 106.3
	RTSE T° 4.2 107.0	RTSE T° 4.2 108.1	RTSE T° 4.2 109.1	RTSE T° 4.2 110.0	RTSE T° 4.2 111.0	RTSE T° 4.2 111.9
2.3	RTSE T° 4.4 100.9	RTSE T° 4.4 101.9	RTSE T° 4.4 102.9	RTSE T° 4.4 103.9	RTSE T° 4.4 104.9	RTSE T° 4.4 105.8
	RTSE T° 4.2 106.5	RTSE T° 4.2 107.6	RTSE T° 4.2 108.6	RTSE T° 4.2 109.5	RTSE T° 4.2 110.5	RTSE T° 4.2 111.4
2.6	RTSE T° 4.4 100.2	RTSE T° 4.4 101.2	RTSE T° 4.4 102.2	RTSE T° 4.4 103.2	RTSE T° 4.4 104.2	RTSE T° 4.4 105.1
	RTSE T° 4.2 105.8	RTSE T° 4.2 106.8	RTSE T° 4.2 107.8	RTSE T° 4.2 108.8	RTSE T° 4.2 109.8	RTSE T° 4.2 110.7
2.9	RTSE T° 4.4 99.5	RTSE T° 4.4 100.6	RTSE T° 4.4 101.6	RTSE T° 4.4 102.5	RTSE T° 4.4 103.5	RTSE T° 4.4 104.4
	RTSE T° 4.2 105.2	RTSE T° 4.2 106.2	RTSE T° 4.2 107.2	RTSE T° 4.2 108.2	RTSE T° 4.2 109.1	RTSE T° 4.2 110.0
3.2	RTSE T° 4.4 98.9	RTSE T° 4.4 99.9	RTSE T° 4.4 101.0	RTSE T° 4.4 101.9	RTSE T° 4.4 102.9	RTSE T° 4.4 103.8
	RTSE T° 4.2 104.5	RTSE T° 4.2 105.6	RTSE T° 4.2 106.6	RTSE T° 4.2 107.5	RTSE T° 4.2 108.5	RTSE T° 4.2 109.4
3.6	RTSE T° 4.4 98.2	RTSE T° 4.4 99.2	RTSE T° 4.4 100.2	RTSE T° 4.4 101.2	RTSE T° 4.4 102.1	RTSE T° 4.4 103.1
	RTSE T° 4.2 103.8	RTSE T° 4.2 104.8	RTSE T° 4.2 105.8	RTSE T° 4.2 106.8	RTSE T° 4.2 107.8	RTSE T° 4.2 108.7
4.0	RTSE T° 4.4 97.5	RTSE T° 4.4 98.5	RTSE T° 4.4 99.5	RTSE T° 4.4 100.5	RTSE T° 4.4 101.4	RTSE T° 4.4 102.4
	RTSE T° 4.2 103.1	RTSE T° 4.2 104.1	RTSE T° 4.2 105.1	RTSE T° 4.2 106.1	RTSE T° 4.2 107.1	RTSE T° 4.2 108.0

**Fig.7C** 21/36

MELT - INDEX	DENSITY			
	942	943	944	945
1.4	RTSE T° 4.4 109.3	RTSE T° 4.4 110.2	RTSE T° 4.4 111.1	RTSE T° 4.4 111.9
	RTSE T° 4.2 114.9	RTSE T° 4.2 115.8	RTSE T° 4.2 116.7	RTSE T° 4.2 117.5
1.5	RTSE T° 4.4 109.0	RTSE T° 4.4 109.9	RTSE T° 4.4 110.7	RTSE T° 4.4 111.6
	RTSE T° 4.2 114.6	RTSE T° 4.2 115.5	RTSE T° 4.2 116.3	RTSE T° 4.2 117.2
1.7	RTSE T° 4.4 108.3	RTSE T° 4.4 109.2	RTSE T° 4.4 110.1	RTSE T° 4.4 110.9
	RTSE T° 4.2 114.0	RTSE T° 4.2 114.9	RTSE T° 4.2 115.7	RTSE T° 4.2 116.6
1.9	RTSE T° 4.4 107.8	RTSE T° 4.4 108.7	RTSE T° 4.4 109.5	RTSE T° 4.4 110.4
	RTSE T° 4.2 113.4	RTSE T° 4.2 114.3	RTSE T° 4.2 115.1	RTSE T° 4.2 116.0
2.1	RTSE T° 4.4 107.2	RTSE T° 4.4 108.1	RTSE T° 4.4 109.0	RTSE T° 4.4 109.8
	RTSE T° 4.2 112.8	RTSE T° 4.2 113.7	RTSE T° 4.2 114.6	RTSE T° 4.2 115.4
2.3	RTSE T° 4.4 106.7	RTSE T° 4.4 107.6	RTSE T° 4.4 108.5	RTSE T° 4.4 109.3
	RTSE T° 4.2 112.3	RTSE T° 4.2 113.2	RTSE T° 4.2 114.1	RTSE T° 4.2 114.9
2.6	RTSE T° 4.4 106.0	RTSE T° 4.4 106.9	RTSE T° 4.4 107.7	RTSE T° 4.4 108.6
	RTSE T° 4.2 111.6	RTSE T° 4.2 112.5	RTSE T° 4.2 113.4	RTSE T° 4.2 114.2
2.9	RTSE T° 4.4 105.3	RTSE T° 4.4 106.2	RTSE T° 4.4 107.1	RTSE T° 4.4 107.9
	RTSE T° 4.2 111.0	RTSE T° 4.2 111.8	RTSE T° 4.2 112.7	RTSE T° 4.2 113.5
3.2	RTSE T° 4.4 104.7	RTSE T° 4.4 105.6	RTSE T° 4.4 106.5	RTSE T° 4.4 107.3
	RTSE T° 4.2 110.3	RTSE T° 4.2 111.2	RTSE T° 4.2 112.1	RTSE T° 4.2 112.9
3.6	RTSE T° 4.4 104.0	RTSE T° 4.4 104.9	RTSE T° 4.4 105.7	RTSE T° 4.4 106.6
	RTSE T° 4.2 109.6	RTSE T° 4.2 110.5	RTSE T° 4.2 111.3	RTSE T° 4.2 112.2
4.0	RTSE T° 4.4 103.3	RTSE T° 4.4 104.2	RTSE T° 4.4 105.0	RTSE T° 4.4 105.9
	RTSE T° 4.2 108.9	RTSE T° 4.2 109.8	RTSE T° 4.2 110.6	RTSE T° 4.2 111.5

Fig.8A

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MELT - INDEX	DENSITY					
	930	931	932	933	934	935
0.5	RTSE T° 4.4 100.6	RTSE T° 4.4 101.8	RTSE T° 4.4 102.9	RTSE T° 4.4 104.0	RTSE T° 4.4 105.1	RTSE T° 4.4 106.2
	RTSE T° 4.2 106.2	RTSE T° 4.2 107.4	RTSE T° 4.2 108.5	RTSE T° 4.2 109.7	RTSE T° 4.2 110.8	RTSE T° 4.2 111.8
0.6	RTSE T° 4.4 100.1	RTSE T° 4.4 101.2	RTSE T° 4.4 102.4	RTSE T° 4.4 103.5	RTSE T° 4.4 104.6	RTSE T° 4.4 105.7
	RTSE T° 4.2 105.7	RTSE T° 4.2 106.9	RTSE T° 4.2 108.0	RTSE T° 4.2 109.1	RTSE T° 4.2 110.2	RTSE T° 4.2 111.3
0.7	RTSE T° 4.4 99.6	RTSE T° 4.4 100.8	RTSE T° 4.4 101.9	RTSE T° 4.4 103.0	RTSE T° 4.4 104.1	RTSE T° 4.4 105.2
	RTSE T° 4.2 105.2	RTSE T° 4.2 106.4	RTSE T° 4.2 107.5	RTSE T° 4.2 108.7	RTSE T° 4.2 109.8	RTSE T° 4.2 110.8
0.8	RTSE T° 4.4 99.1	RTSE T° 4.4 100.3	RTSE T° 4.4 101.5	RTSE T° 4.4 102.6	RTSE T° 4.4 103.7	RTSE T° 4.4 104.8
	RTSE T° 4.2 104.8	RTSE T° 4.2 105.9	RTSE T° 4.2 107.1	RTSE T° 4.2 108.2	RTSE T° 4.2 109.3	RTSE T° 4.2 110.4
0.9	RTSE T° 4.4 98.7	RTSE T° 4.4 99.9	RTSE T° 4.4 101.0	RTSE T° 4.4 102.2	RTSE T° 4.4 103.3	RTSE T° 4.4 104.3
	RTSE T° 4.2 104.3	RTSE T° 4.2 105.5	RTSE T° 4.2 106.6	RTSE T° 4.2 107.8	RTSE T° 4.2 108.9	RTSE T° 4.2 110.0
1.0	RTSE T° 4.4 98.3	RTSE T° 4.4 99.5	RTSE T° 4.4 100.6	RTSE T° 4.4 101.7	RTSE T° 4.4 102.8	RTSE T° 4.4 103.9
	RTSE T° 4.2 103.9	RTSE T° 4.2 105.1	RTSE T° 4.2 106.2	RTSE T° 4.2 107.4	RTSE T° 4.2 108.5	RTSE T° 4.2 109.5
1.1	RTSE T° 4.4 97.9	RTSE T° 4.4 99.1	RTSE T° 4.4 100.2	RTSE T° 4.4 101.4	RTSE T° 4.4 102.5	RTSE T° 4.4 103.5
	RTSE T° 4.2 103.5	RTSE T° 4.2 104.7	RTSE T° 4.2 105.8	RTSE T° 4.2 107.0	RTSE T° 4.2 108.1	RTSE T° 4.2 109.1
1.2	RTSE T° 4.4 97.5	RTSE T° 4.4 98.7	RTSE T° 4.4 99.9	RTSE T° 4.4 101.0	RTSE T° 4.4 102.1	RTSE T° 4.4 103.2
	RTSE T° 4.2 103.1	RTSE T° 4.2 104.3	RTSE T° 4.2 105.5	RTSE T° 4.2 106.6	RTSE T° 4.2 107.7	RTSE T° 4.2 108.8
1.3	RTSE T° 4.4 97.2	RTSE T° 4.4 98.3	RTSE T° 4.4 99.5	RTSE T° 4.4 100.6	RTSE T° 4.4 101.7	RTSE T° 4.4 102.8
	RTSE T° 4.2 102.8	RTSE T° 4.2 104.0	RTSE T° 4.2 105.1	RTSE T° 4.2 106.2	RTSE T° 4.2 107.3	RTSE T° 4.2 108.4
1.4	RTSE T° 4.4 96.8	RTSE T° 4.4 98.0	RTSE T° 4.4 99.1	RTSE T° 4.4 100.3	RTSE T° 4.4 101.4	RTSE T° 4.4 102.5
	RTSE T° 4.2 102.4	RTSE T° 4.2 103.6	RTSE T° 4.2 104.8	RTSE T° 4.2 105.9	RTSE T° 4.2 107.0	RTSE T° 4.2 108.1
1.5	RTSE T° 4.4 96.5	RTSE T° 4.4 97.7	RTSE T° 4.4 98.8	RTSE T° 4.4 99.9	RTSE T° 4.4 101.0	RTSE T° 4.4 102.1
	RTSE T° 4.2 102.1	RTSE T° 4.2 103.3	RTSE T° 4.2 104.4	RTSE T° 4.2 105.6	RTSE T° 4.2 106.7	RTSE T° 4.2 107.7

**Fig.8B**      23/36

MELT - INDEX	DENSITY					
	936	937	938	939	940	941
0.5	RTSE T° 4.4 107.3	RTSE T° 4.4 108.3	RTSE T° 4.4 109.3	RTSE T° 4.4 110.3	RTSE T° 4.4 111.2	RTSE T° 4.4 112.2
	RTSE T° 4.2 112.9	RTSE T° 4.2 113.9	RTSE T° 4.2 114.9	RTSE T° 4.2 115.9	RTSE T° 4.2 116.8	RTSE T° 4.2 117.8
0.6	RTSE T° 4.4 106.8	RTSE T° 4.4 107.8	RTSE T° 4.4 108.8	RTSE T° 4.4 109.8	RTSE T° 4.4 110.7	RTSE T° 4.4 111.6
	RTSE T° 4.2 112.4	RTSE T° 4.2 113.4	RTSE T° 4.2 114.4	RTSE T° 4.2 115.4	RTSE T° 4.2 116.3	RTSE T° 4.2 117.3
0.7	RTSE T° 4.4 106.3	RTSE T° 4.4 107.3	RTSE T° 4.4 108.3	RTSE T° 4.4 109.3	RTSE T° 4.4 110.2	RTSE T° 4.4 111.2
	RTSE T° 4.2 111.9	RTSE T° 4.2 112.9	RTSE T° 4.2 113.9	RTSE T° 4.2 114.9	RTSE T° 4.2 115.9	RTSE T° 4.2 116.8
0.8	RTSE T° 4.4 105.8	RTSE T° 4.4 106.8	RTSE T° 4.4 107.8	RTSE T° 4.4 108.8	RTSE T° 4.4 109.8	RTSE T° 4.4 110.7
	RTSE T° 4.2 111.4	RTSE T° 4.2 112.5	RTSE T° 4.2 113.5	RTSE T° 4.2 114.4	RTSE T° 4.2 115.4	RTSE T° 4.2 116.3
0.9	RTSE T° 4.4 105.4	RTSE T° 4.4 106.4	RTSE T° 4.4 107.4	RTSE T° 4.4 108.4	RTSE T° 4.4 109.3	RTSE T° 4.4 110.3
	RTSE T° 4.2 111.0	RTSE T° 4.2 112.0	RTSE T° 4.2 113.0	RTSE T° 4.2 114.0	RTSE T° 4.2 115.0	RTSE T° 4.2 115.9
1.0	RTSE T° 4.4 105.0	RTSE T° 4.4 106.0	RTSE T° 4.4 107.0	RTSE T° 4.4 108.0	RTSE T° 4.4 108.9	RTSE T° 4.4 109.9
	RTSE T° 4.2 110.6	RTSE T° 4.2 111.6	RTSE T° 4.2 112.6	RTSE T° 4.2 113.6	RTSE T° 4.2 114.6	RTSE T° 4.2 115.5
1.1	RTSE T° 4.4 104.6	RTSE T° 4.4 105.6	RTSE T° 4.4 106.6	RTSE T° 4.4 107.6	RTSE T° 4.4 108.5	RTSE T° 4.4 109.5
	RTSE T° 4.2 110.2	RTSE T° 4.2 111.2	RTSE T° 4.2 112.2	RTSE T° 4.2 113.2	RTSE T° 4.2 114.2	RTSE T° 4.2 115.1
1.2	RTSE T° 4.4 104.2	RTSE T° 4.4 105.2	RTSE T° 4.4 106.2	RTSE T° 4.4 107.2	RTSE T° 4.4 108.2	RTSE T° 4.4 109.1
	RTSE T° 4.2 109.8	RTSE T° 4.2 110.9	RTSE T° 4.2 111.9	RTSE T° 4.2 112.8	RTSE T° 4.2 113.8	RTSE T° 4.2 114.7
1.3	RTSE T° 4.4 103.8	RTSE T° 4.4 104.9	RTSE T° 4.4 105.9	RTSE T° 4.4 106.9	RTSE T° 4.4 107.8	RTSE T° 4.4 108.7
	RTSE T° 4.2 109.5	RTSE T° 4.2 110.5	RTSE T° 4.2 111.5	RTSE T° 4.2 112.5	RTSE T° 4.2 113.4	RTSE T° 4.2 114.4
1.4	RTSE T° 4.4 103.5	RTSE T° 4.4 104.5	RTSE T° 4.4 105.5	RTSE T° 4.4 116.5	RTSE T° 4.4 107.5	RTSE T° 4.4 108.4
	RTSE T° 4.2 109.1	RTSE T° 4.2 110.1	RTSE T° 4.2 111.2	RTSE T° 4.2 112.1	RTSE T° 4.2 113.1	RTSE T° 4.2 114.0
1.5	RTSE T° 4.4 103.2	RTSE T° 4.4 104.2	RTSE T° 4.4 105.2	RTSE T° 4.4 106.2	RTSE T° 4.4 107.1	RTSE T° 4.4 108.1
	RTSE T° 4.2 108.8	RTSE T° 4.2 109.8	RTSE T° 4.2 110.8	RTSE T° 4.2 111.8	RTSE T° 4.2 112.8	RTSE T° 4.2 113.7

**Fig.8C** 24/36

MELT - INDEX	DENSITY			
	942	943	944	945
0.5	RTSE T° 4.4 113.1	RTSE T° 4.4 114.0	RTSE T° 4.4 114.8	RTSE T° 4.4 115.7
	RTSE T° 4.2 118.7	RTSE T° 4.2 119.6	RTSE T° 4.2 120.4	RTSE T° 4.2 121.3
0.6	RTSE T° 4.4 112.6	RTSE T° 4.4 113.4	RTSE T° 4.4 114.3	RTSE T° 4.4 115.1
	RTSE T° 4.2 118.2	RTSE T° 4.2 119.1	RTSE T° 4.2 119.9	RTSE T° 4.2 120.8
0.7	RTSE T° 4.4 112.1	RTSE T° 4.4 113.0	RTSE T° 4.4 113.8	RTSE T° 4.4 114.7
	RTSE T° 4.2 117.7	RTSE T° 4.2 118.6	RTSE T° 4.2 119.4	RTSE T° 4.2 120.3
0.8	RTSE T° 4.4 111.6	RTSE T° 4.4 112.5	RTSE T° 4.4 113.4	RTSE T° 4.4 114.2
	RTSE T° 4.2 117.2	RTSE T° 4.2 118.1	RTSE T° 4.2 119.0	RTSE T° 4.2 119.8
0.9	RTSE T° 4.4 111.2	RTSE T° 4.4 112.1	RTSE T° 4.4 112.9	RTSE T° 4.4 113.8
	RTSE T° 4.2 116.8	RTSE T° 4.2 117.7	RTSE T° 4.2 118.6	RTSE T° 4.2 119.4
1.0	RTSE T° 4.4 110.8	RTSE T° 4.4 111.7	RTSE T° 4.4 112.5	RTSE T° 4.4 113.4
	RTSE T° 4.2 116.4	RTSE T° 4.2 117.3	RTSE T° 4.2 118.1	RTSE T° 4.2 119.0
1.1	RTSE T° 4.4 110.4	RTSE T° 4.4 111.3	RTSE T° 4.4 112.1	RTSE T° 4.4 113.0
	RTSE T° 4.2 116.0	RTSE T° 4.2 116.9	RTSE T° 4.2 117.7	RTSE T° 4.2 118.6
1.2	RTSE T° 4.4 110.0	RTSE T° 4.4 110.9	RTSE T° 4.4 111.8	RTSE T° 4.4 112.6
	RTSE T° 4.2 115.6	RTSE T° 4.2 116.5	RTSE T° 4.2 117.4	RTSE T° 4.2 118.2
1.3	RTSE T° 4.4 109.6	RTSE T° 4.4 110.5	RTSE T° 4.4 111.4	RTSE T° 4.4 112.2
	RTSE T° 4.2 115.3	RTSE T° 4.2 116.2	RTSE T° 4.2 117.0	RTSE T° 4.2 117.9
1.4	RTSE T° 4.4 109.3	RTSE T° 4.4 110.2	RTSE T° 4.4 111.1	RTSE T° 4.4 111.9
	RTSE T° 4.2 114.9	RTSE T° 4.2 115.8	RTSE T° 4.2 116.7	RTSE T° 4.2 117.5
1.5	RTSE T° 4.4 109.0	RTSE T° 4.4 109.9	RTSE T° 4.4 110.7	RTSE T° 4.4 111.6
	RTSE T° 4.2 114.6	RTSE T° 4.2 115.5	RTSE T° 4.2 116.3	RTSE T° 4.2 117.2



**Fig.9A** 25/36

MELT - INDEX	DENSITY					
	915	916	917	918	919	920
11.0	RTSE T° 4.4 63.4	RTSE T° 4.4 64.8	RTSE T° 4.4 66.3	RTSE T° 4.4 67.7	RTSE T° 4.4 69.2	RTSE T° 4.4 70.6
	RTSE T° 4.2 69.0	RTSE T° 4.2 70.5	RTSE T° 4.2 71.9	RTSE T° 4.2 73.4	RTSE T° 4.2 74.8	RTSE T° 4.2 76.2
12.0	RTSE T° 4.4 62.7	RTSE T° 4.4 64.2	RTSE T° 4.4 65.7	RTSE T° 4.4 67.1	RTSE T° 4.4 68.5	RTSE T° 4.4 70.0
	RTSE T° 4.2 68.3	RTSE T° 4.2 69.8	RTSE T° 4.2 71.3	RTSE T° 4.2 72.7	RTSE T° 4.2 74.2	RTSE T° 4.2 75.6
13.0	RTSE T° 4.4 62.1	RTSE T° 4.4 63.6	RTSE T° 4.4 65.1	RTSE T° 4.4 66.5	RTSE T° 4.4 68.0	RTSE T° 4.4 69.4
	RTSE T° 4.2 67.8	RTSE T° 4.2 69.2	RTSE T° 4.2 70.7	RTSE T° 4.2 72.1	RTSE T° 4.2 73.6	RTSE T° 4.2 75.0
14.0	RTSE T° 4.4 61.6	RTSE T° 4.4 63.1	RTSE T° 4.4 64.5	RTSE T° 4.4 66.0	RTSE T° 4.4 67.4	RTSE T° 4.4 68.8
	RTSE T° 4.2 67.2	RTSE T° 4.2 68.7	RTSE T° 4.2 70.2	RTSE T° 4.2 71.6	RTSE T° 4.2 73.0	RTSE T° 4.2 74.5
16.0	RTSE T° 4.4 60.7	RTSE T° 4.4 62.1	RTSE T° 4.4 63.6	RTSE T° 4.4 65.0	RTSE T° 4.4 66.5	RTSE T° 4.4 67.9
	RTSE T° 4.2 66.3	RTSE T° 4.2 67.8	RTSE T° 4.2 69.2	RTSE T° 4.2 70.7	RTSE T° 4.2 72.1	RTSE T° 4.2 73.5
18.0	RTSE T° 4.4 59.8	RTSE T° 4.4 61.3	RTSE T° 4.4 62.8	RTSE T° 4.4 64.2	RTSE T° 4.4 65.7	RTSE T° 4.4 67.1
	RTSE T° 4.2 65.5	RTSE T° 4.2 66.9	RTSE T° 4.2 68.4	RTSE T° 4.2 69.8	RTSE T° 4.2 71.3	RTSE T° 4.2 72.7
20.0	RTSE T° 4.4 59.1	RTSE T° 4.4 60.6	RTSE T° 4.4 62.1	RTSE T° 4.4 63.5	RTSE T° 4.4 64.9	RTSE T° 4.4 66.4
	RTSE T° 4.2 64.8	RTSE T° 4.2 66.2	RTSE T° 4.2 67.7	RTSE T° 4.2 69.1	RTSE T° 4.2 70.6	RTSE T° 4.2 72.0
22.0	RTSE T° 4.4 58.5	RTSE T° 4.4 60.0	RTSE T° 4.4 61.4	RTSE T° 4.4 62.9	RTSE T° 4.4 64.3	RTSE T° 4.4 65.7
	RTSE T° 4.2 64.1	RTSE T° 4.2 65.6	RTSE T° 4.2 67.1	RTSE T° 4.2 68.5	RTSE T° 4.2 69.9	RTSE T° 4.2 71.4
24.0	RTSE T° 4.4 58.0	RTSE T° 4.4 59.4	RTSE T° 4.4 60.9	RTSE T° 4.4 62.3	RTSE T° 4.4 63.8	RTSE T° 4.4 65.2
	RTSE T° 4.2 63.6	RTSE T° 4.2 65.1	RTSE T° 4.2 66.5	RTSE T° 4.2 68.0	RTSE T° 4.2 69.4	RTSE T° 4.2 70.8
27.0	RTSE T° 4.4 57.3	RTSE T° 4.4 58.7	RTSE T° 4.4 60.2	RTSE T° 4.4 61.6	RTSE T° 4.4 63.1	RTSE T° 4.4 64.5
	RTSE T° 4.2 62.9	RTSE T° 4.2 64.4	RTSE T° 4.2 65.8	RTSE T° 4.2 67.3	RTSE T° 4.2 68.7	RTSE T° 4.2 70.1
30.0	RTSE T° 4.4 56.7	RTSE T° 4.4 58.1	RTSE T° 4.4 59.6	RTSE T° 4.4 61.1	RTSE T° 4.4 62.5	RTSE T° 4.4 63.9
	RTSE T° 4.2 62.3	RTSE T° 4.2 63.8	RTSE T° 4.2 65.2	RTSE T° 4.2 66.7	RTSE T° 4.2 68.1	RTSE T° 4.2 69.5

**Fig.9B** 26/36

MELT - INDEX	DENSITY					
	921	922	923	924	925	926
11.0	RTSE T° 4.4 72.0	RTSE T° 4.4 73.4	RTSE T° 4.4 74.7	RTSE T° 4.4 76.1	RTSE T° 4.4 77.4	RTSE T° 4.4 78.7
	RTSE T° 4.2 77.6	RTSE T° 4.2 79.0	RTSE T° 4.2 80.3	RTSE T° 4.2 81.7	RTSE T° 4.2 83.0	RTSE T° 4.2 84.3
12.0	RTSE T° 4.4 71.4	RTSE T° 4.4 72.7	RTSE T° 4.4 74.1	RTSE T° 4.4 75.4	RTSE T° 4.4 76.8	RTSE T° 4.4 78.0
	RTSE T° 4.2 77.0	RTSE T° 4.2 78.4	RTSE T° 4.2 79.7	RTSE T° 4.2 81.1	RTSE T° 4.2 82.4	RTSE T° 4.2 83.7
13.0	RTSE T° 4.4 70.8	RTSE T° 4.4 72.2	RTSE T° 4.4 73.5	RTSE T° 4.4 74.9	RTSE T° 4.4 76.2	RTSE T° 4.4 77.5
	RTSE T° 4.2 76.4	RTSE T° 4.2 77.8	RTSE T° 4.2 79.1	RTSE T° 4.2 80.5	RTSE T° 4.2 81.8	RTSE T° 4.2 83.1
14.0	RTSE T° 4.4 70.2	RTSE T° 4.4 71.6	RTSE T° 4.4 73.0	RTSE T° 4.4 74.3	RTSE T° 4.4 75.6	RTSE T° 4.4 76.9
	RTSE T° 4.2 75.9	RTSE T° 4.2 77.2	RTSE T° 4.2 78.6	RTSE T° 4.2 79.9	RTSE T° 4.2 81.3	RTSE T° 4.2 82.5
16.0	RTSE T° 4.4 69.3	RTSE T° 4.4 70.7	RTSE T° 4.4 72.0	RTSE T° 4.4 73.4	RTSE T° 4.4 74.7	RTSE T° 4.4 76.0
	RTSE T° 4.2 74.9	RTSE T° 4.2 76.3	RTSE T° 4.2 77.7	RTSE T° 4.2 79.0	RTSE T° 4.2 80.3	RTSE T° 4.2 81.6
18.0	RTSE T° 4.4 68.5	RTSE T° 4.4 69.9	RTSE T° 4.4 71.2	RTSE T° 4.4 72.6	RTSE T° 4.4 73.9	RTSE T° 4.4 75.2
	RTSE T° 4.2 74.1	RTSE T° 4.2 75.5	RTSE T° 4.2 76.8	RTSE T° 4.2 78.2	RTSE T° 4.2 79.5	RTSE T° 4.2 80.8
20.0	RTSE T° 4.4 67.8	RTSE T° 4.4 69.1	RTSE T° 4.4 70.5	RTSE T° 4.4 71.8	RTSE T° 4.4 73.2	RTSE T° 4.4 74.5
	RTSE T° 4.2 73.4	RTSE T° 4.2 74.8	RTSE T° 4.2 76.1	RTSE T° 4.2 77.5	RTSE T° 4.2 78.8	RTSE T° 4.2 80.1
22.0	RTSE T° 4.4 67.1	RTSE T° 4.4 68.5	RTSE T° 4.4 69.9	RTSE T° 4.4 71.2	RTSE T° 4.4 72.5	RTSE T° 4.4 73.8
	RTSE T° 4.2 72.8	RTSE T° 4.2 74.1	RTSE T° 4.2 75.5	RTSE T° 4.2 76.8	RTSE T° 4.2 78.2	RTSE T° 4.2 79.4
24.0	RTSE T° 4.4 66.6	RTSE T° 4.4 68.0	RTSE T° 4.4 69.3	RTSE T° 4.4 70.7	RTSE T° 4.4 72.0	RTSE T° 4.4 73.3
	RTSE T° 4.2 72.2	RTSE T° 4.2 73.6	RTSE T° 4.2 75.0	RTSE T° 4.2 76.3	RTSE T° 4.2 77.6	RTSE T° 4.2 78.9
27.0	RTSE T° 4.4 65.9	RTSE T° 4.4 67.3	RTSE T° 4.4 68.6	RTSE T° 4.4 70.0	RTSE T° 4.4 71.3	RTSE T° 4.4 72.6
	RTSE T° 4.2 71.5	RTSE T° 4.2 72.9	RTSE T° 4.2 74.2	RTSE T° 4.2 75.6	RTSE T° 4.2 76.9	RTSE T° 4.2 78.2
30.0	RTSE T° 4.4 65.3	RTSE T° 4.4 66.7	RTSE T° 4.4 68.0	RTSE T° 4.4 69.4	RTSE T° 4.4 70.7	RTSE T° 4.4 72.0
	RTSE T° 4.2 70.9	RTSE T° 4.2 72.3	RTSE T° 4.2 73.7	RTSE T° 4.2 75.0	RTSE T° 4.2 76.3	RTSE T° 4.2 77.6

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**Fig.9C**

MELT - INDEX	DENSITY			
	927	928	929	930
11.0	RTSE T° 4.4 80.0	RTSE T° 4.4 81.2	RTSE T° 4.4 82.4	RTSE T° 4.4 83.6
	RTSE T° 4.2 85.6	RTSE T° 4.2 86.8	RTSE T° 4.2 88.0	RTSE T° 4.2 89.2
12.0	RTSE T° 4.4 79.3	RTSE T° 4.4 80.6	RTSE T° 4.4 81.8	RTSE T° 4.4 83.0
	RTSE T° 4.2 84.9	RTSE T° 4.2 86.2	RTSE T° 4.2 87.4	RTSE T° 4.2 88.6
13.0	RTSE T° 4.4 78.7	RTSE T° 4.4 80.0	RTSE T° 4.4 81.2	RTSE T° 4.4 82.4
	RTSE T° 4.2 84.4	RTSE T° 4.2 85.6	RTSE T° 4.2 86.8	RTSE T° 4.2 88.0
14.0	RTSE T° 4.4 78.2	RTSE T° 4.4 79.4	RTSE T° 4.4 80.7	RTSE T° 4.4 81.9
	RTSE T° 4.2 83.8	RTSE T° 4.2 85.1	RTSE T° 4.2 86.3	RTSE T° 4.2 87.5
16.0	RTSE T° 4.4 77.3	RTSE T° 4.4 78.5	RTSE T° 4.4 79.7	RTSE T° 4.4 80.9
	RTSE T° 4.2 82.9	RTSE T° 4.2 84.1	RTSE T° 4.2 85.3	RTSE T° 4.2 86.5
18.0	RTSE T° 4.4 76.4	RTSE T° 4.4 77.7	RTSE T° 4.4 78.9	RTSE T° 4.4 80.1
	RTSE T° 4.2 82.1	RTSE T° 4.2 83.3	RTSE T° 4.2 84.5	RTSE T° 4.2 85.7
20.0	RTSE T° 4.4 75.7	RTSE T° 4.4 77.0	RTSE T° 4.4 78.2	RTSE T° 4.4 79.4
	RTSE T° 4.2 81.3	RTSE T° 4.2 82.6	RTSE T° 4.2 83.8	RTSE T° 4.2 85.0
22.0	RTSE T° 4.4 75.1	RTSE T° 4.4 76.3	RTSE T° 4.4 77.6	RTSE T° 4.4 78.8
	RTSE T° 4.2 80.7	RTSE T° 4.2 82.0	RTSE T° 4.2 83.2	RTSE T° 4.2 84.4
24.0	RTSE T° 4.4 74.6	RTSE T° 4.4 75.8	RTSE T° 4.4 77.0	RTSE T° 4.4 78.2
	RTSE T° 4.2 80.2	RTSE T° 4.2 81.4	RTSE T° 4.2 82.6	RTSE T° 4.2 83.8
27.0	RTSE T° 4.4 73.8	RTSE T° 4.4 75.1	RTSE T° 4.4 76.3	RTSE T° 4.4 77.5
	RTSE T° 4.2 79.5	RTSE T° 4.2 80.7	RTSE T° 4.2 81.9	RTSE T° 4.2 83.1
30.0	RTSE T° 4.4 73.3	RTSE T° 4.4 74.5	RTSE T° 4.4 75.7	RTSE T° 4.4 76.9
	RTSE T° 4.2 78.9	RTSE T° 4.2 80.1	RTSE T° 4.2 81.4	RTSE T° 4.2 82.5

**Fig.10A** 28/36

MELT - INDEX	DENSITY					
	915	916	917	918	919	920
3.9	RTSE T° 4.4 70.7	RTSE T° 4.4 72.2	RTSE T° 4.4 73.6	RTSE T° 4.4 75.1	RTSE T° 4.4 76.5	RTSE T° 4.4 77.9
	RTSE T° 4.2 76.3	RTSE T° 4.2 77.8	RTSE T° 4.2 79.3	RTSE T° 4.2 80.7	RTSE T° 4.2 82.1	RTSE T° 4.2 83.6
4.3	RTSE T° 4.4 70.1	RTSE T° 4.4 71.5	RTSE T° 4.4 73.0	RTSE T° 4.4 74.4	RTSE T° 4.4 75.9	RTSE T° 4.4 77.3
	RTSE T° 4.2 75.7	RTSE T° 4.2 77.1	RTSE T° 4.2 78.6	RTSE T° 4.2 80.1	RTSE T° 4.2 81.5	RTSE T° 4.2 82.9
4.8	RTSE T° 4.4 69.3	RTSE T° 4.4 70.8	RTSE T° 4.4 72.2	RTSE T° 4.4 73.7	RTSE T° 4.4 75.1	RTSE T° 4.4 76.5
	RTSE T° 4.2 74.9	RTSE T° 4.2 76.4	RTSE T° 4.2 77.9	RTSE T° 4.2 79.3	RTSE T° 4.2 80.7	RTSE T° 4.2 82.2
5.3	RTSE T° 4.4 68.6	RTSE T° 4.4 70.1	RTSE T° 4.4 71.6	RTSE T° 4.4 73.0	RTSE T° 4.4 74.4	RTSE T° 4.4 75.9
	RTSE T° 4.2 74.2	RTSE T° 4.2 75.7	RTSE T° 4.2 77.2	RTSE T° 4.2 78.6	RTSE T° 4.2 80.1	RTSE T° 4.2 81.5
5.9	RTSE T° 4.4 67.9	RTSE T° 4.4 69.3	RTSE T° 4.4 70.8	RTSE T° 4.4 72.3	RTSE T° 4.4 73.7	RTSE T° 4.4 75.1
	RTSE T° 4.2 73.5	RTSE T° 4.2 75.0	RTSE T° 4.2 76.4	RTSE T° 4.2 77.9	RTSE T° 4.2 79.3	RTSE T° 4.2 80.7
6.5	RTSE T° 4.4 67.2	RTSE T° 4.4 68.7	RTSE T° 4.4 70.1	RTSE T° 4.4 71.6	RTSE T° 4.4 73.0	RTSE T° 4.4 74.4
	RTSE T° 4.2 72.8	RTSE T° 4.2 74.3	RTSE T° 4.2 75.7	RTSE T° 4.2 77.2	RTSE T° 4.2 78.6	RTSE T° 4.2 80.0
7.2	RTSE T° 4.4 66.5	RTSE T° 4.4 67.9	RTSE T° 4.4 69.4	RTSE T° 4.4 70.8	RTSE T° 4.4 72.3	RTSE T° 4.4 73.7
	RTSE T° 4.2 72.1	RTSE T° 4.2 73.5	RTSE T° 4.2 75.0	RTSE T° 4.2 76.4	RTSE T° 4.2 77.9	RTSE T° 4.2 79.3
8.0	RTSE T° 4.4 65.7	RTSE T° 4.4 67.2	RTSE T° 4.4 68.6	RTSE T° 4.4 70.1	RTSE T° 4.4 71.5	RTSE T° 4.4 72.9
	RTSE T° 4.2 71.3	RTSE T° 4.2 72.8	RTSE T° 4.2 74.2	RTSE T° 4.2 75.7	RTSE T° 4.2 77.1	RTSE T° 4.2 78.5
8.9	RTSE T° 4.4 64.9	RTSE T° 4.4 66.4	RTSE T° 4.4 67.8	RTSE T° 4.4 69.3	RTSE T° 4.4 70.7	RTSE T° 4.4 72.1
	RTSE T° 4.2 70.5	RTSE T° 4.2 72.0	RTSE T° 4.2 73.5	RTSE T° 4.2 74.9	RTSE T° 4.2 76.3	RTSE T° 4.2 77.8
9.9	RTSE T° 4.4 64.1	RTSE T° 4.4 65.6	RTSE T° 4.4 67.1	RTSE T° 4.4 68.5	RTSE T° 4.4 69.9	RTSE T° 4.4 71.4
	RTSE T° 4.2 69.8	RTSE T° 4.2 71.2	RTSE T° 4.2 72.7	RTSE T° 4.2 74.1	RTSE T° 4.2 75.6	RTSE T° 4.2 77.0
11.0	RTSE T° 4.4 63.4	RTSE T° 4.4 64.8	RTSE T° 4.4 66.3	RTSE T° 4.4 67.7	RTSE T° 4.4 69.2	RTSE T° 4.4 70.6
	RTSE T° 4.2 69.0	RTSE T° 4.2 70.5	RTSE T° 4.2 71.9	RTSE T° 4.2 73.4	RTSE T° 4.2 74.8	RTSE T° 4.2 76.2

**Fig.10B** 29/36

MELT - INDEX	DENSITY					
	921	922	923	924	925	926
3.9	RTSE T° 4.4 79.3	RTSE T° 4.4 80.7	RTSE T° 4.4 82.1	RTSE T° 4.4 83.4	RTSE T° 4.4 84.7	RTSE T° 4.4 86.0
	RTSE T° 4.2 85.0	RTSE T° 4.2 86.3	RTSE T° 4.2 87.7	RTSE T° 4.2 89.0	RTSE T° 4.2 90.4	RTSE T° 4.2 91.6
4.3	RTSE T° 4.4 78.7	RTSE T° 4.4 80.1	RTSE T° 4.4 81.4	RTSE T° 4.4 82.8	RTSE T° 4.4 84.1	RTSE T° 4.4 85.4
	RTSE T° 4.2 84.3	RTSE T° 4.2 85.7	RTSE T° 4.2 87.0	RTSE T° 4.2 88.4	RTSE T° 4.2 89.7	RTSE T° 4.2 91.0
4.8	RTSE T° 4.4 77.9	RTSE T° 4.4 79.3	RTSE T° 4.4 80.7	RTSE T° 4.4 82.0	RTSE T° 4.4 83.3	RTSE T° 4.4 84.6
	RTSE T° 4.2 83.6	RTSE T° 4.2 84.9	RTSE T° 4.2 86.3	RTSE T° 4.2 87.6	RTSE T° 4.2 89.0	RTSE T° 4.2 90.2
5.3	RTSE T° 4.4 77.3	RTSE T° 4.4 78.6	RTSE T° 4.4 80.0	RTSE T° 4.4 81.3	RTSE T° 4.4 82.7	RTSE T° 4.4 83.9
	RTSE T° 4.2 82.9	RTSE T° 4.2 84.3	RTSE T° 4.2 85.6	RTSE T° 4.2 87.0	RTSE T° 4.2 88.3	RTSE T° 4.2 89.6
5.9	RTSE T° 4.4 76.5	RTSE T° 4.4 77.9	RTSE T° 4.4 79.2	RTSE T° 4.4 80.6	RTSE T° 4.4 81.9	RTSE T° 4.4 83.2
	RTSE T° 4.2 82.1	RTSE T° 4.2 83.5	RTSE T° 4.2 84.9	RTSE T° 4.2 88.2	RTSE T° 4.2 87.5	RTSE T° 4.2 88.6
6.5	RTSE T° 4.4 75.8	RTSE T° 4.4 77.2	RTSE T° 4.4 78.6	RTSE T° 4.4 79.9	RTSE T° 4.4 81.2	RTSE T° 4.4 82.5
	RTSE T° 4.2 81.4	RTSE T° 4.2 82.8	RTSE T° 4.2 84.2	RTSE T° 4.2 85.5	RTSE T° 4.2 86.8	RTSE T° 4.2 88.1
7.2	RTSE T° 4.4 75.1	RTSE T° 4.4 76.5	RTSE T° 4.4 77.8	RTSE T° 4.4 79.2	RTSE T° 4.4 80.5	RTSE T° 4.4 81.8
	RTSE T° 4.2 80.7	RTSE T° 4.2 82.1	RTSE T° 4.2 83.4	RTSE T° 4.2 84.8	RTSE T° 4.2 86.1	RTSE T° 4.2 87.4
8.0	RTSE T° 4.4 74.3	RTSE T° 4.4 75.7	RTSE T° 4.4 77.1	RTSE T° 4.4 78.4	RTSE T° 4.4 79.7	RTSE T° 4.4 81.0
	RTSE T° 4.2 79.9	RTSE T° 4.2 81.3	RTSE T° 4.2 82.7	RTSE T° 4.2 84.0	RTSE T° 4.2 85.3	RTSE T° 4.2 86.8
8.9	RTSE T° 4.4 73.5	RTSE T° 4.4 74.9	RTSE T° 4.4 76.3	RTSE T° 4.4 77.6	RTSE T° 4.4 78.9	RTSE T° 4.4 80.2
	RTSE T° 4.2 79.2	RTSE T° 4.2 80.5	RTSE T° 4.2 81.9	RTSE T° 4.2 83.2	RTSE T° 4.2 84.6	RTSE T° 4.2 85.8
9.9	RTSE T° 4.4 72.8	RTSE T° 4.4 74.1	RTSE T° 4.4 75.5	RTSE T° 4.4 76.8	RTSE T° 4.4 78.2	RTSE T° 4.4 79.4
	RTSE T° 4.2 78.4	RTSE T° 4.2 79.8	RTSE T° 4.2 81.1	RTSE T° 4.2 82.5	RTSE T° 4.2 83.8	RTSE T° 4.2 85.1
11.0	RTSE T° 4.4 72.0	RTSE T° 4.4 73.4	RTSE T° 4.4 74.7	RTSE T° 4.4 76.1	RTSE T° 4.4 77.4	RTSE T° 4.4 78.7
	RTSE T° 4.2 77.6	RTSE T° 4.2 79.0	RTSE T° 4.2 80.3	RTSE T° 4.2 81.7	RTSE T° 4.2 83.0	RTSE T° 4.2 84.3

**Fig.10C** 30/36

MELT - INDEX	DENSITY			
	927	928	929	930
3.9	RTSE T° 4.4 87.3	RTSE T° 4.4 88.5	RTSE T° 4.4 89.8	RTSE T° 4.4 91.0
	RTSE T° 4.2 92.9	RTSE T° 4.2 94.2	RTSE T° 4.2 95.4	RTSE T° 4.2 96.6
4.3	RTSE T° 4.4 86.6	RTSE T° 4.4 87.9	RTSE T° 4.4 89.1	RTSE T° 4.4 90.3
	RTSE T° 4.2 92.3	RTSE T° 4.2 93.5	RTSE T° 4.2 94.7	RTSE T° 4.2 95.9
4.8	RTSE T° 4.4 85.9	RTSE T° 4.4 87.1	RTSE T° 4.4 88.4	RTSE T° 4.4 89.6
	RTSE T° 4.2 91.5	RTSE T° 4.2 92.8	RTSE T° 4.2 94.0	RTSE T° 4.2 95.2
5.3	RTSE T° 4.4 85.2	RTSE T° 4.4 86.5	RTSE T° 4.4 87.7	RTSE T° 4.4 88.9
	RTSE T° 4.2 90.8	RTSE T° 4.2 92.1	RTSE T° 4.2 93.3	RTSE T° 4.2 94.5
5.9	RTSE T° 4.4 84.5	RTSE T° 4.4 85.7	RTSE T° 4.4 86.9	RTSE T° 4.4 88.1
	RTSE T° 4.2 90.1	RTSE T° 4.2 91.3	RTSE T° 4.2 92.6	RTSE T° 4.2 93.8
6.5	RTSE T° 4.4 83.8	RTSE T° 4.4 85.0	RTSE T° 4.4 86.2	RTSE T° 4.4 87.4
	RTSE T° 4.2 89.4	RTSE T° 4.2 90.6	RTSE T° 4.2 91.9	RTSE T° 4.2 93.1
7.2	RTSE T° 4.4 83.0	RTSE T° 4.4 84.3	RTSE T° 4.4 85.5	RTSE T° 4.4 86.7
	RTSE T° 4.2 88.7	RTSE T° 4.2 89.9	RTSE T° 4.2 91.1	RTSE T° 4.2 92.3
8.0	RTSE T° 4.4 82.3	RTSE T° 4.4 83.5	RTSE T° 4.4 84.7	RTSE T° 4.4 85.9
	RTSE T° 4.2 87.9	RTSE T° 4.2 89.1	RTSE T° 4.2 90.4	RTSE T° 4.2 91.6
8.9	RTSE T° 4.4 81.5	RTSE T° 4.4 82.7	RTSE T° 4.4 84.0	RTSE T° 4.4 85.2
	RTSE T° 4.2 87.1	RTSE T° 4.2 88.4	RTSE T° 4.2 89.6	RTSE T° 4.2 90.8
9.9	RTSE T° 4.4 80.7	RTSE T° 4.4 82.0	RTSE T° 4.4 83.2	RTSE T° 4.4 84.4
	RTSE T° 4.2 86.3	RTSE T° 4.2 87.6	RTSE T° 4.2 88.8	RTSE T° 4.2 90.0
11.0	RTSE T° 4.4 80.0	RTSE T° 4.4 81.2	RTSE T° 4.4 82.4	RTSE T° 4.4 83.6
	RTSE T° 4.2 85.6	RTSE T° 4.2 86.8	RTSE T° 4.2 88.0	RTSE T° 4.2 89.2

Fig.11A 31/36

MELT - INDEX	DENSITY					
	915	916	917	918	919	920
1.4	RTSE T° 4.4 76.6	RTSE T° 4.4 78.0	RTSE T° 4.4 79.5	RTSE T° 4.4 80.9	RTSE T° 4.4 82.4	RTSE T° 4.4 83.8
	RTSE T° 4.2 82.2	RTSE T° 4.2 83.7	RTSE T° 4.2 85.1	RTSE T° 4.2 86.6	RTSE T° 4.2 88.0	RTSE T° 4.2 89.4
1.5	RTSE T° 4.4 76.2	RTSE T° 4.4 77.7	RTSE T° 4.4 79.2	RTSE T° 4.4 80.6	RTSE T° 4.4 82.0	RTSE T° 4.4 83.5
	RTSE T° 4.2 81.9	RTSE T° 4.2 83.3	RTSE T° 4.2 84.8	RTSE T° 4.2 86.2	RTSE T° 4.2 87.7	RTSE T° 4.2 89.1
1.7	RTSE T° 4.4 75.6	RTSE T° 4.4 77.1	RTSE T° 4.4 78.5	RTSE T° 4.4 80.0	RTSE T° 4.4 81.4	RTSE T° 4.4 82.8
	RTSE T° 4.2 81.2	RTSE T° 4.2 82.7	RTSE T° 4.2 84.2	RTSE T° 4.2 85.6	RTSE T° 4.2 87.0	RTSE T° 4.2 88.5
1.9	RTSE T° 4.4 75.0	RTSE T° 4.4 76.5	RTSE T° 4.4 78.0	RTSE T° 4.4 79.4	RTSE T° 4.4 80.8	RTSE T° 4.4 82.3
	RTSE T° 4.2 80.6	RTSE T° 4.2 82.1	RTSE T° 4.2 83.6	RTSE T° 4.2 85.0	RTSE T° 4.2 86.5	RTSE T° 4.2 87.9
2.1	RTSE T° 4.4 74.5	RTSE T° 4.4 76.0	RTSE T° 4.4 77.4	RTSE T° 4.4 78.9	RTSE T° 4.4 80.3	RTSE T° 4.4 81.7
	RTSE T° 4.2 80.1	RTSE T° 4.2 81.6	RTSE T° 4.2 83.0	RTSE T° 4.2 84.5	RTSE T° 4.2 85.9	RTSE T° 4.2 87.3
2.3	RTSE T° 4.4 74.0	RTSE T° 4.4 75.4	RTSE T° 4.4 76.9	RTSE T° 4.4 78.3	RTSE T° 4.4 79.8	RTSE T° 4.4 81.2
	RTSE T° 4.2 79.6	RTSE T° 4.2 81.1	RTSE T° 4.2 82.5	RTSE T° 4.2 84.0	RTSE T° 4.2 85.4	RTSE T° 4.2 86.8
2.6	RTSE T° 4.4 73.3	RTSE T° 4.4 74.7	RTSE T° 4.4 76.2	RTSE T° 4.4 77.6	RTSE T° 4.4 79.1	RTSE T° 4.4 80.5
	RTSE T° 4.2 78.9	RTSE T° 4.2 80.3	RTSE T° 4.2 81.8	RTSE T° 4.2 83.3	RTSE T° 4.2 84.7	RTSE T° 4.2 86.1
2.9	RTSE T° 4.4 72.6	RTSE T° 4.4 74.1	RTSE T° 4.4 75.5	RTSE T° 4.4 77.0	RTSE T° 4.4 78.4	RTSE T° 4.4 79.8
	RTSE T° 4.2 78.2	RTSE T° 4.2 79.7	RTSE T° 4.2 81.1	RTSE T° 4.2 82.6	RTSE T° 4.2 84.0	RTSE T° 4.2 85.4
3.2	RTSE T° 4.4 72.0	RTSE T° 4.4 73.5	RTSE T° 4.4 74.9	RTSE T° 4.4 76.4	RTSE T° 4.4 77.8	RTSE T° 4.4 79.2
	RTSE T° 4.2 77.6	RTSE T° 4.2 79.1	RTSE T° 4.2 80.5	RTSE T° 4.2 82.0	RTSE T° 4.2 83.4	RTSE T° 4.2 84.8
3.6	RTSE T° 4.4 71.2	RTSE T° 4.4 72.7	RTSE T° 4.4 74.2	RTSE T° 4.4 75.6	RTSE T° 4.4 77.0	RTSE T° 4.4 78.5
	RTSE T° 4.2 76.9	RTSE T° 4.2 78.3	RTSE T° 4.2 79.8	RTSE T° 4.2 81.2	RTSE T° 4.2 82.7	RTSE T° 4.2 84.1
4.0	RTSE T° 4.4 70.5	RTSE T° 4.4 72.0	RTSE T° 4.4 73.5	RTSE T° 4.4 74.9	RTSE T° 4.4 76.4	RTSE T° 4.4 77.8
	RTSE T° 4.2 76.2	RTSE T° 4.2 77.6	RTSE T° 4.2 79.1	RTSE T° 4.2 80.5	RTSE T° 4.2 82.0	RTSE T° 4.2 83.4

**Fig.11B** 32/36

MELT - INDEX	DENSITY					
	921	922	923	924	925	926
1.4	RTSE T° 4.4 85.2	RTSE T° 4.4 86.6	RTSE T° 4.4 87.9	RTSE T° 4.4 89.3	RTSE T° 4.4 90.6	RTSE T° 4.4 91.9
	RTSE T° 4.2 90.8	RTSE T° 4.2 92.2	RTSE T° 4.2 93.6	RTSE T° 4.2 94.9	RTSE T° 4.2 96.2	RTSE T° 4.2 97.5
1.5	RTSE T° 4.4 84.9	RTSE T° 4.4 86.2	RTSE T° 4.4 87.6	RTSE T° 4.4 88.9	RTSE T° 4.4 90.3	RTSE T° 4.4 91.6
	RTSE T° 4.2 90.5	RTSE T° 4.2 91.9	RTSE T° 4.2 93.2	RTSE T° 4.2 94.6	RTSE T° 4.2 95.9	RTSE T° 4.2 97.2
1.7	RTSE T° 4.4 84.2	RTSE T° 4.4 85.6	RTSE T° 4.4 87.0	RTSE T° 4.4 88.3	RTSE T° 4.4 89.6	RTSE T° 4.4 90.9
	RTSE T° 4.2 89.9	RTSE T° 4.2 91.2	RTSE T° 4.2 92.6	RTSE T° 4.2 93.9	RTSE T° 4.2 95.3	RTSE T° 4.2 96.5
1.9	RTSE T° 4.4 83.7	RTSE T° 4.4 85.0	RTSE T° 4.4 86.4	RTSE T° 4.4 87.7	RTSE T° 4.4 89.1	RTSE T° 4.4 90.3
	RTSE T° 4.2 89.3	RTSE T° 4.2 90.7	RTSE T° 4.2 92.0	RTSE T° 4.2 93.4	RTSE T° 4.2 94.7	RTSE T° 4.2 96.0
2.1	RTSE T° 4.4 83.1	RTSE T° 4.4 84.5	RTSE T° 4.4 85.8	RTSE T° 4.4 87.2	RTSE T° 4.4 88.5	RTSE T° 4.4 89.8
	RTSE T° 4.2 88.7	RTSE T° 4.2 90.1	RTSE T° 4.2 91.5	RTSE T° 4.2 92.8	RTSE T° 4.2 94.1	RTSE T° 4.2 95.4
2.3	RTSE T° 4.4 82.6	RTSE T° 4.4 84.0	RTSE T° 4.4 85.3	RTSE T° 4.4 86.7	RTSE T° 4.4 88.0	RTSE T° 4.4 89.3
	RTSE T° 4.2 88.2	RTSE T° 4.2 89.6	RTSE T° 4.2 91.0	RTSE T° 4.2 92.3	RTSE T° 4.2 93.6	RTSE T° 4.2 94.9
2.6	RTSE T° 4.4 81.9	RTSE T° 4.4 83.3	RTSE T° 4.4 84.6	RTSE T° 4.4 86.0	RTSE T° 4.4 87.3	RTSE T° 4.4 88.6
	RTSE T° 4.2 87.5	RTSE T° 4.2 88.9	RTSE T° 4.2 90.2	RTSE T° 4.2 91.6	RTSE T° 4.2 92.9	RTSE T° 4.2 94.2
2.9	RTSE T° 4.4 81.2	RTSE T° 4.4 82.6	RTSE T° 4.4 84.0	RTSE T° 4.4 85.3	RTSE T° 4.4 86.6	RTSE T° 4.4 87.9
	RTSE T° 4.2 86.8	RTSE T° 4.2 88.2	RTSE T° 4.2 89.6	RTSE T° 4.2 90.9	RTSE T° 4.2 92.2	RTSE T° 4.2 93.5
3.2	RTSE T° 4.4 80.6	RTSE T° 4.4 82.0	RTSE T° 4.4 83.4	RTSE T° 4.4 84.7	RTSE T° 4.4 86.0	RTSE T° 4.4 87.3
	RTSE T° 4.2 86.2	RTSE T° 4.2 87.6	RTSE T° 4.2 89.0	RTSE T° 4.2 90.3	RTSE T° 4.2 91.6	RTSE T° 4.2 92.9
3.6	RTSE T° 4.4 79.9	RTSE T° 4.4 81.2	RTSE T° 4.4 82.6	RTSE T° 4.4 83.9	RTSE T° 4.4 85.3	RTSE T° 4.4 86.5
	RTSE T° 4.2 85.5	RTSE T° 4.2 86.9	RTSE T° 4.2 88.2	RTSE T° 4.2 89.6	RTSE T° 4.2 90.9	RTSE T° 4.2 92.2
4.0	RTSE T° 4.4 79.2	RTSE T° 4.4 80.6	RTSE T° 4.4 81.9	RTSE T° 4.4 83.2	RTSE T° 4.4 84.6	RTSE T° 4.4 85.9
	RTSE T° 4.2 84.8	RTSE T° 4.2 86.2	RTSE T° 4.2 87.5	RTSE T° 4.2 88.9	RTSE T° 4.2 90.2	RTSE T° 4.2 91.5



**Fig.11C** 33/36

MELT - INDEX	DENSITY			
	927	928	929	930
1.4	RTSE T° 4.4 93.2	RTSE T° 4.4 94.4	RTSE T° 4.4 95.6	RTSE T° 4.4 96.8
	RTSE T° 4.2 98.8	RTSE T° 4.2 100.0	RTSE T° 4.2 101.2	RTSE T° 4.2 102.4
1.5	RTSE T° 4.4 92.8	RTSE T° 4.4 94.1	RTSE T° 4.4 95.3	RTSE T° 4.4 96.5
	RTSE T° 4.2 98.4	RTSE T° 4.2 99.7	RTSE T° 4.2 100.9	RTSE T° 4.2 102.1
1.7	RTSE T° 4.4 92.2	RTSE T° 4.4 93.4	RTSE T° 4.4 94.7	RTSE T° 4.4 95.9
	RTSE T° 4.2 97.8	RTSE T° 4.2 99.1	RTSE T° 4.2 100.3	RTSE T° 4.2 101.5
1.9	RTSE T° 4.4 91.6	RTSE T° 4.4 92.9	RTSE T° 4.4 94.1	RTSE T° 4.4 95.3
	RTSE T° 4.2 97.2	RTSE T° 4.2 98.5	RTSE T° 4.2 99.7	RTSE T° 4.2 100.9
2.1	RTSE T° 4.4 91.1	RTSE T° 4.4 92.3	RTSE T° 4.4 93.5	RTSE T° 4.4 94.7
	RTSE T° 4.2 96.7	RTSE T° 4.2 97.9	RTSE T° 4.2 99.2	RTSE T° 4.2 100.4
2.3	RTSE T° 4.4 90.6	RTSE T° 4.4 91.8	RTSE T° 4.4 93.0	RTSE T° 4.4 94.2
	RTSE T° 4.2 96.2	RTSE T° 4.2 97.4	RTSE T° 4.2 98.6	RTSE T° 4.2 99.8
2.6	RTSE T° 4.4 89.8	RTSE T° 4.4 91.1	RTSE T° 4.4 92.3	RTSE T° 4.4 93.5
	RTSE T° 4.2 95.5	RTSE T° 4.2 96.7	RTSE T° 4.2 97.9	RTSE T° 4.2 99.1
2.9	RTSE T° 4.4 89.2	RTSE T° 4.4 90.4	RTSE T° 4.4 91.7	RTSE T° 4.4 92.9
	RTSE T° 4.2 94.8	RTSE T° 4.2 96.0	RTSE T° 4.2 97.3	RTSE T° 4.2 98.5
3.2	RTSE T° 4.4 88.6	RTSE T° 4.4 89.8	RTSE T° 4.4 91.0	RTSE T° 4.4 92.2
	RTSE T° 4.2 94.2	RTSE T° 4.2 95.4	RTSE T° 4.2 96.7	RTSE T° 4.2 97.9
3.6	RTSE T° 4.4 87.8	RTSE T° 4.4 89.1	RTSE T° 4.4 91.3	RTSE T° 4.4 91.5
	RTSE T° 4.2 93.4	RTSE T° 4.2 94.7	RTSE T° 4.2 95.9	RTSE T° 4.2 97.1
4.0	RTSE T° 4.4 87.1	RTSE T° 4.4 88.4	RTSE T° 4.4 89.6	RTSE T° 4.4 90.8
	RTSE T° 4.2 92.7	RTSE T° 4.2 94.0	RTSE T° 4.2 95.2	RTSE T° 4.2 96.4

**Fig.12A** 34/36

MELT - INDEX	DENSITY					
	915	916	917	918	919	920
0.5	RTSE T° 4.4 80.3	RTSE T° 4.4 81.8	RTSE T° 4.4 83.3	RTSE T° 4.4 84.7	RTSE T° 4.4 86.1	RTSE T° 4.4 87.6
	RTSE T° 4.2 85.9	RTSE T° 4.2 87.4	RTSE T° 4.2 88.9	RTSE T° 4.2 90.3	RTSE T° 4.2 91.8	RTSE T° 4.2 93.2
0.6	RTSE T° 4.4 79.8	RTSE T° 4.4 81.3	RTSE T° 4.4 82.7	RTSE T° 4.4 84.2	RTSE T° 4.4 85.6	RTSE T° 4.4 87.0
	RTSE T° 4.2 85.4	RTSE T° 4.2 86.9	RTSE T° 4.2 88.4	RTSE T° 4.2 89.8	RTSE T° 4.2 91.2	RTSE T° 4.2 92.7
0.7	RTSE T° 4.4 79.3	RTSE T° 4.4 80.8	RTSE T° 4.4 82.3	RTSE T° 4.4 83.7	RTSE T° 4.4 85.1	RTSE T° 4.4 86.6
	RTSE T° 4.2 85.0	RTSE T° 4.2 86.4	RTSE T° 4.2 87.9	RTSE T° 4.2 89.3	RTSE T° 4.2 90.8	RTSE T° 4.2 92.2
0.8	RTSE T° 4.4 78.9	RTSE T° 4.4 80.3	RTSE T° 4.4 81.8	RTSE T° 4.4 83.3	RTSE T° 4.4 84.7	RTSE T° 4.4 86.1
	RTSE T° 4.2 84.5	RTSE T° 4.2 86.0	RTSE T° 4.2 87.4	RTSE T° 4.2 88.9	RTSE T° 4.2 90.3	RTSE T° 4.2 91.7
0.9	RTSE T° 4.4 78.4	RTSE T° 4.4 79.9	RTSE T° 4.4 81.4	RTSE T° 4.4 82.8	RTSE T° 4.4 84.3	RTSE T° 4.4 85.7
	RTSE T° 4.2 84.1	RTSE T° 4.2 85.5	RTSE T° 4.2 87.0	RTSE T° 4.2 88.4	RTSE T° 4.2 89.9	RTSE T° 4.2 91.3
1.0	RTSE T° 4.4 78.0	RTSE T° 4.4 79.5	RTSE T° 4.4 81.0	RTSE T° 4.4 82.4	RTSE T° 4.4 83.8	RTSE T° 4.4 85.3
	RTSE T° 4.2 83.7	RTSE T° 4.2 85.1	RTSE T° 4.2 86.6	RTSE T° 4.2 88.0	RTSE T° 4.2 89.5	RTSE T° 4.2 90.9
1.1	RTSE T° 4.4 77.6	RTSE T° 4.4 79.1	RTSE T° 4.4 80.6	RTSE T° 4.4 82.0	RTSE T° 4.4 83.5	RTSE T° 4.4 84.9
	RTSE T° 4.2 83.3	RTSE T° 4.2 84.7	RTSE T° 4.2 86.2	RTSE T° 4.2 87.6	RTSE T° 4.2 89.1	RTSE T° 4.2 90.5
1.2	RTSE T° 4.4 77.3	RTSE T° 4.4 78.7	RTSE T° 4.4 80.2	RTSE T° 4.4 81.6	RTSE T° 4.4 83.1	RTSE T° 4.4 84.5
	RTSE T° 4.2 82.9	RTSE T° 4.2 84.4	RTSE T° 4.2 85.8	RTSE T° 4.2 87.3	RTSE T° 4.2 88.7	RTSE T° 4.2 90.1
1.3	RTSE T° 4.4 76.9	RTSE T° 4.4 78.4	RTSE T° 4.4 79.8	RTSE T° 4.4 81.3	RTSE T° 4.4 82.7	RTSE T° 4.4 84.1
	RTSE T° 4.2 82.5	RTSE T° 4.2 84.0	RTSE T° 4.2 85.5	RTSE T° 4.2 86.9	RTSE T° 4.2 88.3	RTSE T° 4.2 89.8
1.4	RTSE T° 4.4 76.6	RTSE T° 4.4 78.0	RTSE T° 4.4 79.5	RTSE T° 4.4 80.9	RTSE T° 4.4 82.4	RTSE T° 4.4 83.8
	RTSE T° 4.2 82.2	RTSE T° 4.2 83.7	RTSE T° 4.2 85.1	RTSE T° 4.2 86.6	RTSE T° 4.2 88.0	RTSE T° 4.2 89.4
1.5	RTSE T° 4.4 76.2	RTSE T° 4.4 77.7	RTSE T° 4.4 79.2	RTSE T° 4.4 80.6	RTSE T° 4.4 82.0	RTSE T° 4.4 83.5
	RTSE T° 4.2 81.9	RTSE T° 4.2 83.3	RTSE T° 4.2 84.8	RTSE T° 4.2 86.2	RTSE T° 4.2 87.7	RTSE T° 4.2 89.1

Fig.12B 35/36

MELT - INDEX	DENSITY					
	921	922	923	924	925	926
0.5	RTSE T° 4.4 89.0	RTSE T° 4.4 90.3	RTSE T° 4.4 91.7	RTSE T° 4.4 93.0	RTSE T° 4.4 94.4	RTSE T° 4.4 95.6
	RTSE T° 4.2 94.6	RTSE T° 4.2 96.0	RTSE T° 4.2 97.3	RTSE T° 4.2 98.7	RTSE T° 4.2 100.0	RTSE T° 4.2 101.3
0.6	RTSE T° 4.4 88.4	RTSE T° 4.4 89.8	RTSE T° 4.4 91.2	RTSE T° 4.4 92.5	RTSE T° 4.4 93.8	RTSE T° 4.4 95.1
	RTSE T° 4.2 94.1	RTSE T° 4.2 95.4	RTSE T° 4.2 96.8	RTSE T° 4.2 98.1	RTSE T° 4.2 99.5	RTSE T° 4.2 100.8
0.7	RTSE T° 4.4 88.0	RTSE T° 4.4 89.3	RTSE T° 4.4 90.7	RTSE T° 4.4 92.0	RTSE T° 4.4 93.4	RTSE T° 4.4 94.7
	RTSE T° 4.2 93.6	RTSE T° 4.2 95.0	RTSE T° 4.2 96.3	RTSE T° 4.2 97.7	RTSE T° 4.2 99.0	RTSE T° 4.2 100.3
0.8	RTSE T° 4.4 87.5	RTSE T° 4.4 88.9	RTSE T° 4.4 90.2	RTSE T° 4.4 91.6	RTSE T° 4.4 92.9	RTSE T° 4.4 94.2
	RTSE T° 4.2 93.1	RTSE T° 4.2 94.5	RTSE T° 4.2 95.9	RTSE T° 4.2 97.2	RTSE T° 4.2 98.5	RTSE T° 4.2 99.8
0.9	RTSE T° 4.4 87.1	RTSE T° 4.4 88.5	RTSE T° 4.4 89.8	RTSE T° 4.4 91.2	RTSE T° 4.4 92.5	RTSE T° 4.4 93.8
	RTSE T° 4.2 92.7	RTSE T° 4.2 94.1	RTSE T° 4.2 95.4	RTSE T° 4.2 96.8	RTSE T° 4.2 98.1	RTSE T° 4.2 99.4
1.0	RTSE T° 4.4 86.7	RTSE T° 4.4 88.0	RTSE T° 4.4 89.4	RTSE T° 4.4 90.7	RTSE T° 4.4 92.1	RTSE T° 4.4 93.4
	RTSE T° 4.2 92.3	RTSE T° 4.2 93.7	RTSE T° 4.2 95.0	RTSE T° 4.2 96.4	RTSE T° 4.2 97.7	RTSE T° 4.2 99.0
1.1	RTSE T° 4.4 86.3	RTSE T° 4.4 87.7	RTSE T° 4.4 89.0	RTSE T° 4.4 90.3	RTSE T° 4.4 91.7	RTSE T° 4.4 93.0
	RTSE T° 4.2 91.9	RTSE T° 4.2 93.3	RTSE T° 4.2 94.6	RTSE T° 4.2 96.0	RTSE T° 4.2 97.3	RTSE T° 4.2 98.6
1.2	RTSE T° 4.4 85.9	RTSE T° 4.4 87.3	RTSE T° 4.4 88.6	RTSE T° 4.4 90.0	RTSE T° 4.4 91.3	RTSE T° 4.4 92.6
	RTSE T° 4.2 91.5	RTSE T° 4.2 92.9	RTSE T° 4.2 94.3	RTSE T° 4.2 95.6	RTSE T° 4.2 96.9	RTSE T° 4.2 98.2
1.3	RTSE T° 4.4 85.5	RTSE T° 4.4 85.9	RTSE T° 4.4 88.3	RTSE T° 4.4 89.6	RTSE T° 4.4 90.9	RTSE T° 4.4 92.2
	RTSE T° 4.2 91.2	RTSE T° 4.2 92.5	RTSE T° 4.2 93.9	RTSE T° 4.2 95.2	RTSE T° 4.2 96.6	RTSE T° 4.2 97.8
1.4	RTSE T° 4.4 85.2	RTSE T° 4.4 86.6	RTSE T° 4.4 87.9	RTSE T° 4.4 89.3	RTSE T° 4.4 90.6	RTSE T° 4.4 91.9
	RTSE T° 4.2 90.8	RTSE T° 4.2 92.2	RTSE T° 4.2 93.6	RTSE T° 4.2 94.9	RTSE T° 4.2 96.2	RTSE T° 4.2 97.5
1.5	RTSE T° 4.4 84.9	RTSE T° 4.4 86.2	RTSE T° 4.4 87.6	RTSE T° 4.4 88.9	RTSE T° 4.4 90.3	RTSE T° 4.4 91.6
	RTSE T° 4.2 90.5	RTSE T° 4.2 91.9	RTSE T° 4.2 93.2	RTSE T° 4.2 94.6	RTSE T° 4.2 95.9	RTSE T° 4.2 97.2

**Fig.12C** 36/36

MELT - INDEX	DENSITY			
	927	928	929	930
0.5	RTSE T° 4.4 96.9	RTSE T° 4.4 98.2	RTSE T° 4.4 99.4	RTSE T° 4.4 100.6
	RTSE T° 4.2 102.5	RTSE T° 4.2 103.8	RTSE T° 4.2 105.0	RTSE T° 4.2 106.2
0.6	RTSE T° 4.4 96.4	RTSE T° 4.4 97.7	RTSE T° 4.4 98.9	RTSE T° 4.4 100.1
	RTSE T° 4.2 102.0	RTSE T° 4.2 103.3	RTSE T° 4.2 104.5	RTSE T° 4.2 105.7
0.7	RTSE T° 4.4 95.9	RTSE T° 4.4 97.2	RTSE T° 4.4 98.4	RTSE T° 4.4 99.6
	RTSE T° 4.2 101.5	RTSE T° 4.2 102.8	RTSE T° 4.2 104.0	RTSE T° 4.2 105.2
0.8	RTSE T° 4.4 95.5	RTSE T° 4.4 96.7	RTSE T° 4.4 97.9	RTSE T° 4.4 99.1
	RTSE T° 4.2 101.1	RTSE T° 4.2 102.3	RTSE T° 4.2 103.6	RTSE T° 4.2 104.8
0.9	RTSE T° 4.4 95.0	RTSE T° 4.4 96.3	RTSE T° 4.4 97.5	RTSE T° 4.4 98.7
	RTSE T° 4.2 100.7	RTSE T° 4.2 101.9	RTSE T° 4.2 103.1	RTSE T° 4.2 104.3
1.0	RTSE T° 4.4 94.6	RTSE T° 4.4 95.9	RTSE T° 4.4 97.1	RTSE T° 4.4 98.3
	RTSE T° 4.2 100.2	RTSE T° 4.2 101.5	RTSE T° 4.2 102.7	RTSE T° 4.2 103.9
1.1	RTSE T° 4.4 94.2	RTSE T° 4.4 95.5	RTSE T° 4.4 96.7	RTSE T° 4.4 97.9
	RTSE T° 4.2 99.8	RTSE T° 4.2 101.1	RTSE T° 4.2 102.3	RTSE T° 4.2 103.5
1.2	RTSE T° 4.4 93.9	RTSE T° 4.4 95.1	RTSE T° 4.4 96.3	RTSE T° 4.4 97.5
	RTSE T° 4.2 99.5	RTSE T° 4.2 100.7	RTSE T° 4.2 101.9	RTSE T° 4.2 103.1
1.3	RTSE T° 4.4 93.5	RTSE T° 4.4 94.7	RTSE T° 4.4 96.0	RTSE T° 4.4 97.2
	RTSE T° 4.2 99.1	RTSE T° 4.2 100.4	RTSE T° 4.2 101.6	RTSE T° 4.2 102.8
1.4	RTSE T° 4.4 93.2	RTSE T° 4.4 94.4	RTSE T° 4.4 95.6	RTSE T° 4.4 96.8
	RTSE T° 4.2 98.8	RTSE T° 4.2 100.0	RTSE T° 4.2 101.2	RTSE T° 4.2 102.4
1.5	RTSE T° 4.4 92.8	RTSE T° 4.4 94.1	RTSE T° 4.4 95.3	RTSE T° 4.4 96.5
	RTSE T° 4.2 98.4	RTSE T° 4.2 99.7	RTSE T° 4.2 100.9	RTSE T° 4.2 102.1